

1941,
1942, 1944

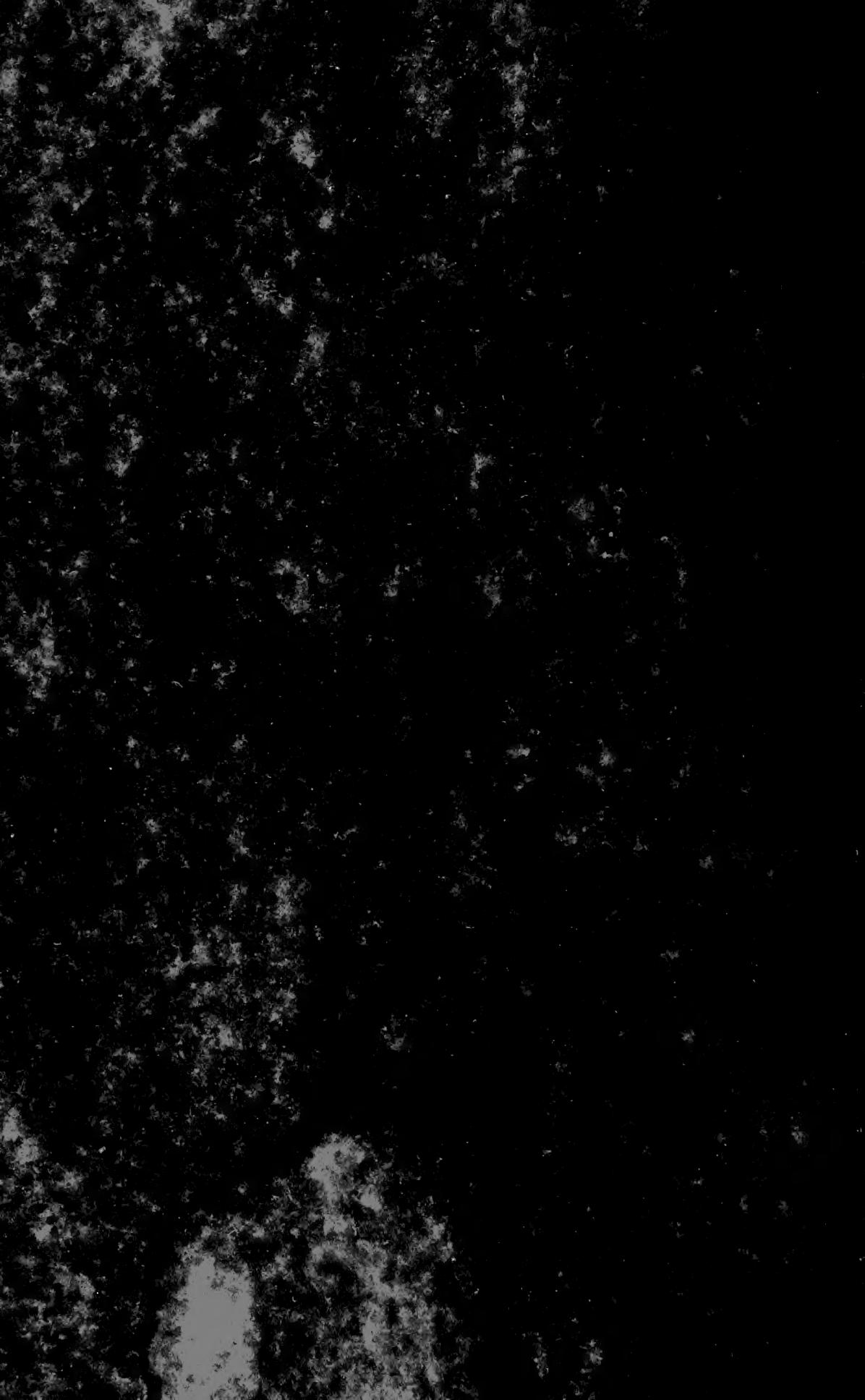
1947



NOTES

Standard Quality and Form
sold by all western college
book stores owned and con-
trolled by the institutions
they serve.

No. C-580S



This notebook is of considerable value
to the owner and a reward will be
paid if the finder returns it to:

Reed C. Rollins

Dudley Herbarium

Natural History Museum

Stanford University, California

2936

Ribes sanguineum Pursh, var. *glutinosum* (Benth.) Wendl.
shrub. 3-5 ft. high, fls. rose, wooded slope,
Coast Range, about 10 miles northwest of Palo
alto, San Mateo Co., Feb. 22, 1941

2937

Cardamine californica (Nutt.) Greene
fls. pink, moist bank, Coast Range, about
8 miles northwest of Palo Alto, San Mateo Co.,
Feb. 22, 1941

2938

Osmaronia cerasiformis (T. & G.) Greene
shrub 3-6 ft. high, fls. white, wooded
hillside, about 10 miles northwest of
Palo Alto, San Mateo Co., Feb. 22, 1941

2939

Raphanus sativus L.

Roadside about 10 miles south of San
Francisco, San Mateo Co., Feb. 23, 1941

2940

Brassica campestris L.

as 2939

2941

Sisymbrium officinale L.

as 2939



2942

Cynoglossum grande Dougl.Fls. blue, wooded slope, 8 miles northwest
of Palo Alto, San Mateo Co. Feb. 22, 1941

2943

Cardamine californica (Nutt.) GreeneFls. pink, forest floor, east slope of Kings
Mt., about 6 miles west of Woodside,
Santa Cruz Mts., San Mateo Co., March
16, 1941

2944

Solamia umbelliformis Esch.Fls. purple, green-stemmed ~~st~~ shrub, 2-
4 ft. high, thicket - as 2943

2945

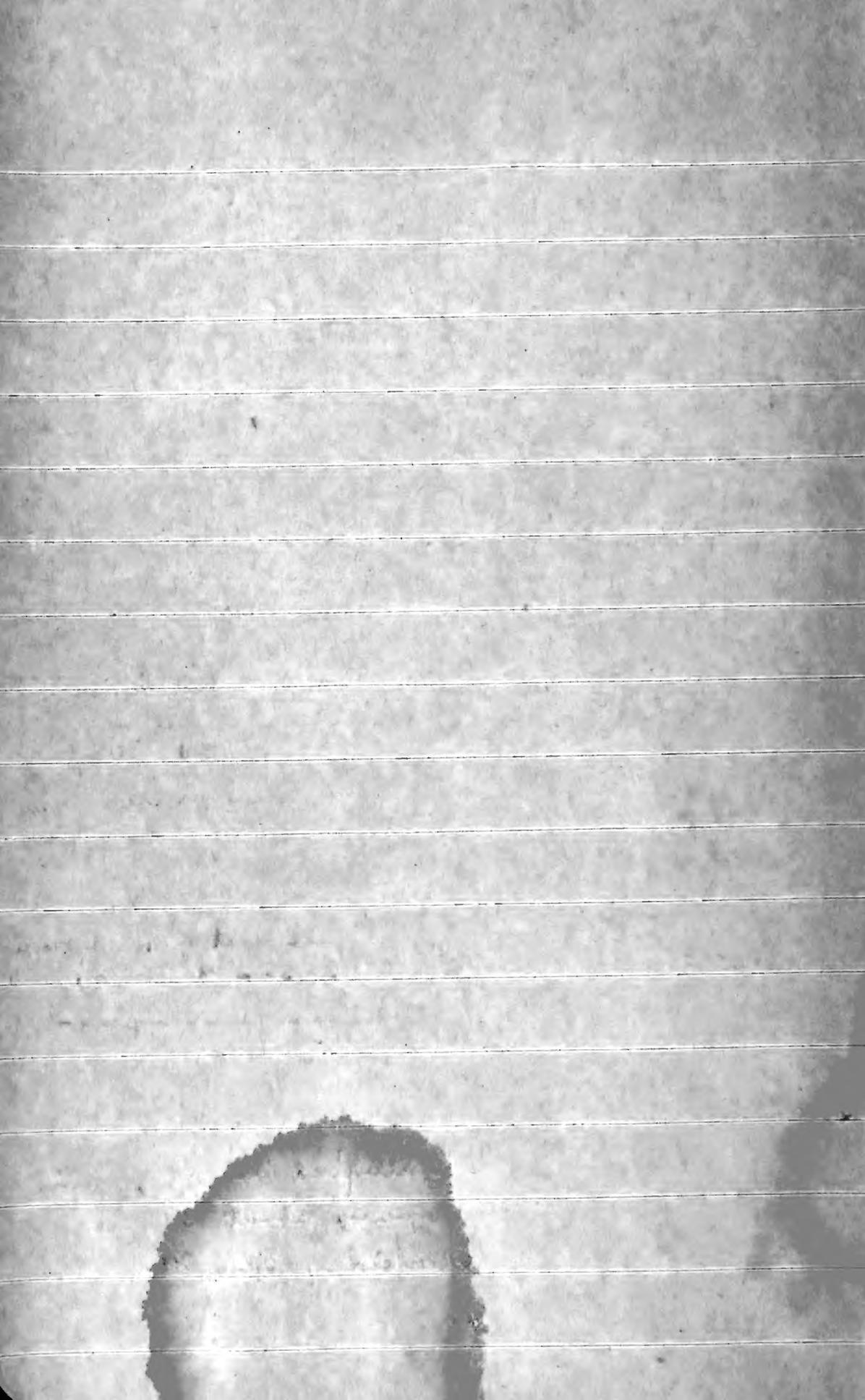
Ribes sanguineum Purshvar. *glutinum* (Benth.) Bond.Fls. deep pink, dry ravine, west slope
of Santa Cruz Mts., about 35 miles
south of San Francisco, San Mateo Co.,
March 16, 1941

2946

*Erysimum capitatum*Rocky steep slope, 3 miles east of Half Moon
Bay, Santa Cruz Mts., San Mateo Co.,March 16, '41 - siliques four-angled -
slightly flattened.

2947

*Cardamine integrifolia*Fls. pink, young siliques brownish, moist
swale in the open, about 3 miles
northwest of Woodside, San Mateo Co.,
March 16, 1941



2948

Sisyrinchium bellum S. Wats.

Fls. purplish, growing in clumps in open meadow, 1 mile north of Belmont, San Mateo Co., March 22, 1941

2949

Sidalcea malvaeflora (DC) Gray

Fls. pink. - as 2948

2950

Arabis blepharophylla H. & A.

Fls. pink, 6"-1 ft. high, open slopes, stems several, perennial, San Bruno Hills, 2 miles southeast of Daly City, San Mateo Co., March 22, 1941

2951

Erysimum franciscanum Rossbach ind.

Fls. lemon-yellow, siliques somewhat flattened, as 2950.

2952

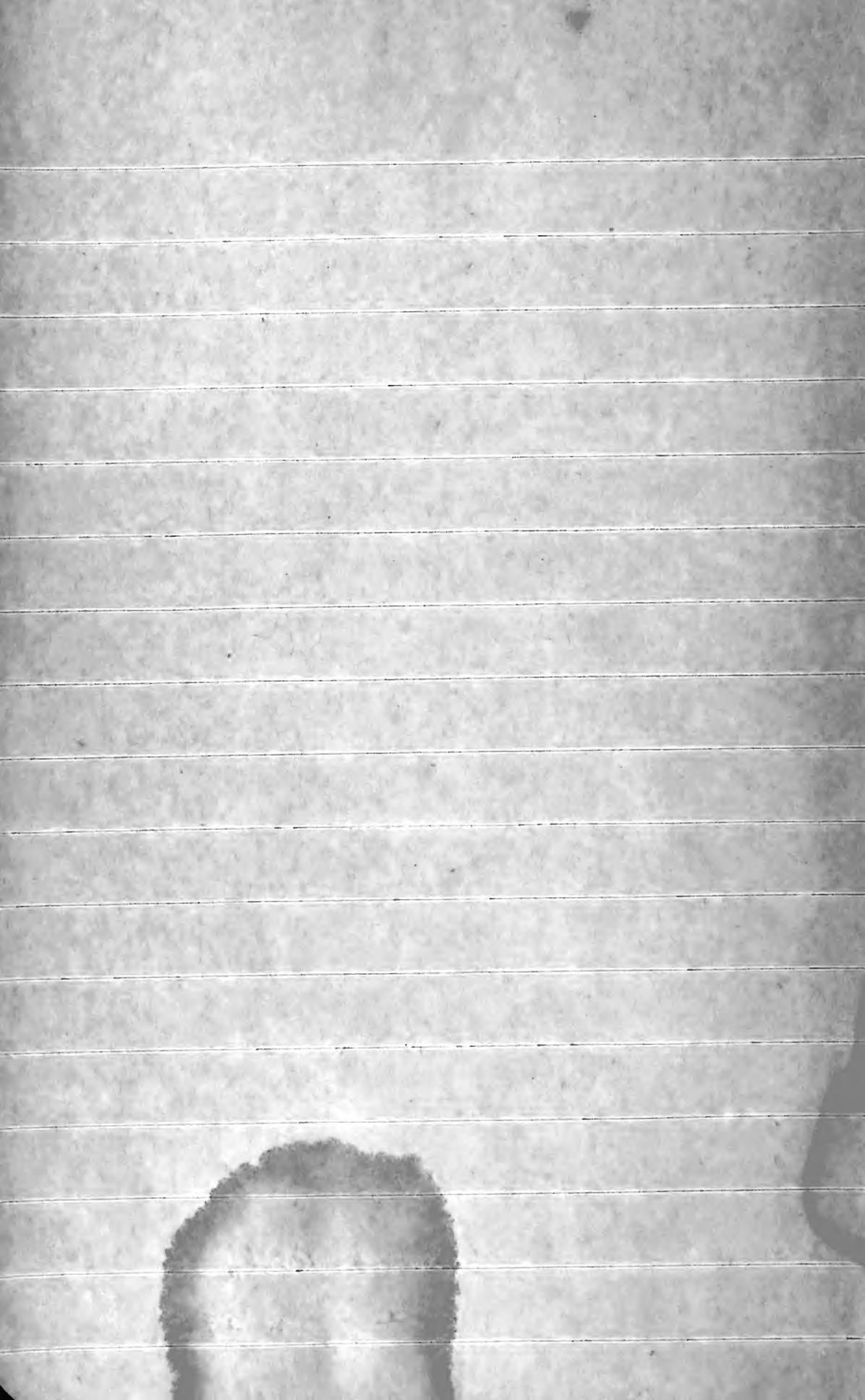
Arabis glabra (L.) Bernh.

Fls. slightly lemon-yellowish, open slope, as 2950

2953

Collomia franciscana Biol.

Fls. bluish-purple - as 2950



2954

Cardamine californica var. *integifolia*
open swale, 4 miles northwest
of Woodside, San Mateo Co., fls.
light pink to white. - basal (rhizome)
leaves cuneate.

March 30, 1941

2955

Viola Douglascii Stand.

grassy hillside Mt. Hamilton Range
16 miles east of San Jose, Santa Clara Co.

fls. yellow + brown - March 30, 1941

2956

Orthocarpus erianthus Benth.

as 2955

2957

Dodecatheon Clevelandii Greene

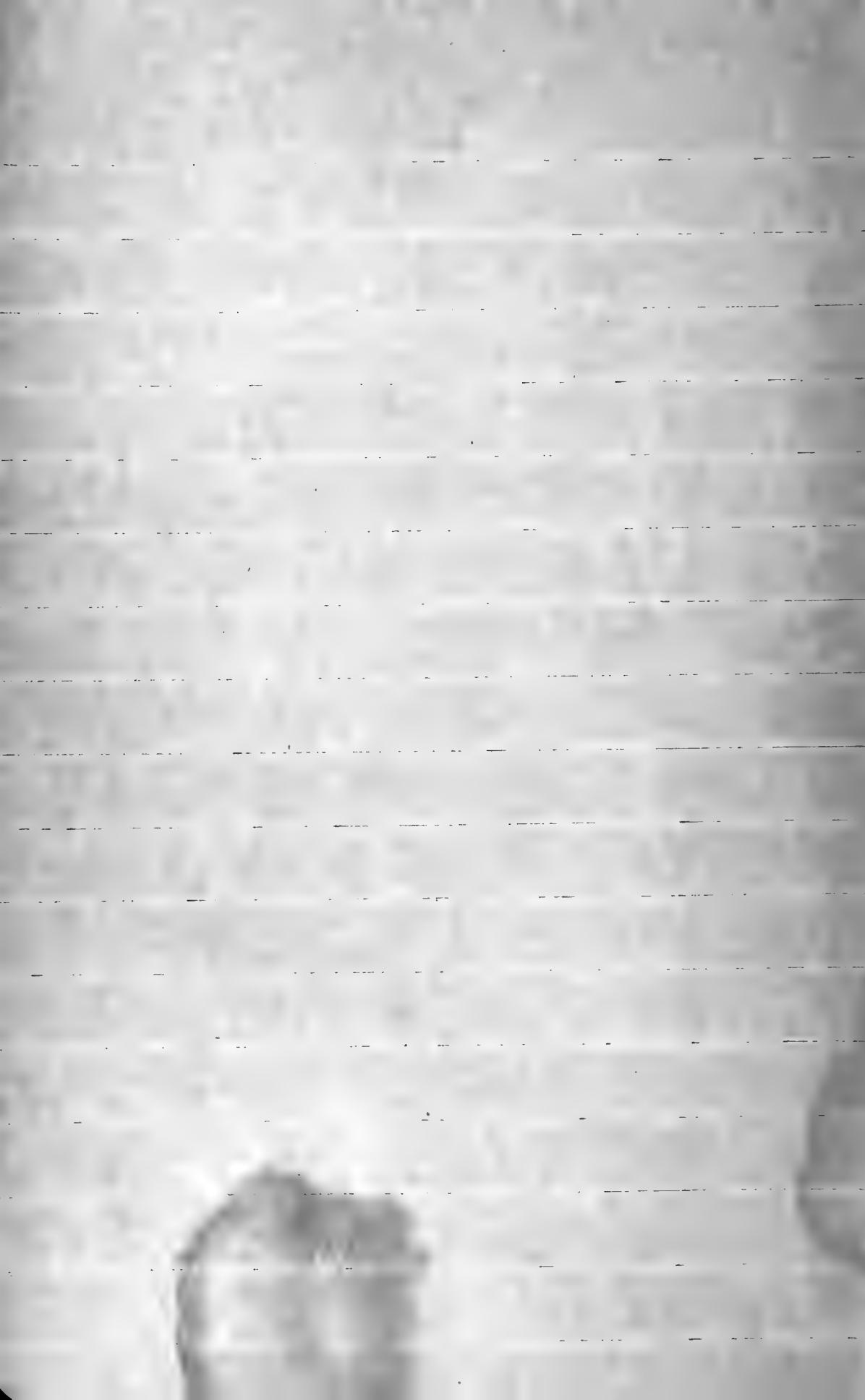
as 2953

2958

Dodecatheon Hendersonii Gray

steep moist bank, Mt. Hamilton Range,
14 miles east of San Jose

March 30, 1941



2959

Cardamine californica var. typ.

moist bank and forest floor, Santa Cruz mts., 12 miles northwest of Palo Alto, San Mateo Co.,

Fls. pink.

March 29, 1941

2960

~~Horippa~~ *Barbarea*

moist ravine, near road, 4 miles northwest of Palo Alto, San Mateo Co.,

March 29, 1941

2961

~~Horippa~~ *Barbarea*

on hill side - 2 1/2 mi

east of Menlo HI. school

San Bruno Co., April 1941

with *Urtica* &
"rect."
These numbers not
assigned - Virgin & Rollin
in database

, dry hot serpentine slope, April
19, 1941, ca. 2000 ft.



2963

Thysanocarpus

grassy hillside, $\frac{1}{2}$ mile east of
Emmett School, near Tres Pinos
Creek, alt. 1000 ft., April 17, 1941

2964

Cardamine californica
var.

as above - 2963 - rhizome cylindrical.
connection very fragile.

2965

Cardanthus lasiophyllus

shady dry bank, 2 miles northwest of
Los Altos, Santa Clara Co., Calif.

May 17, 1941. -



(Bigel) Hook.
~~Hook~~ B

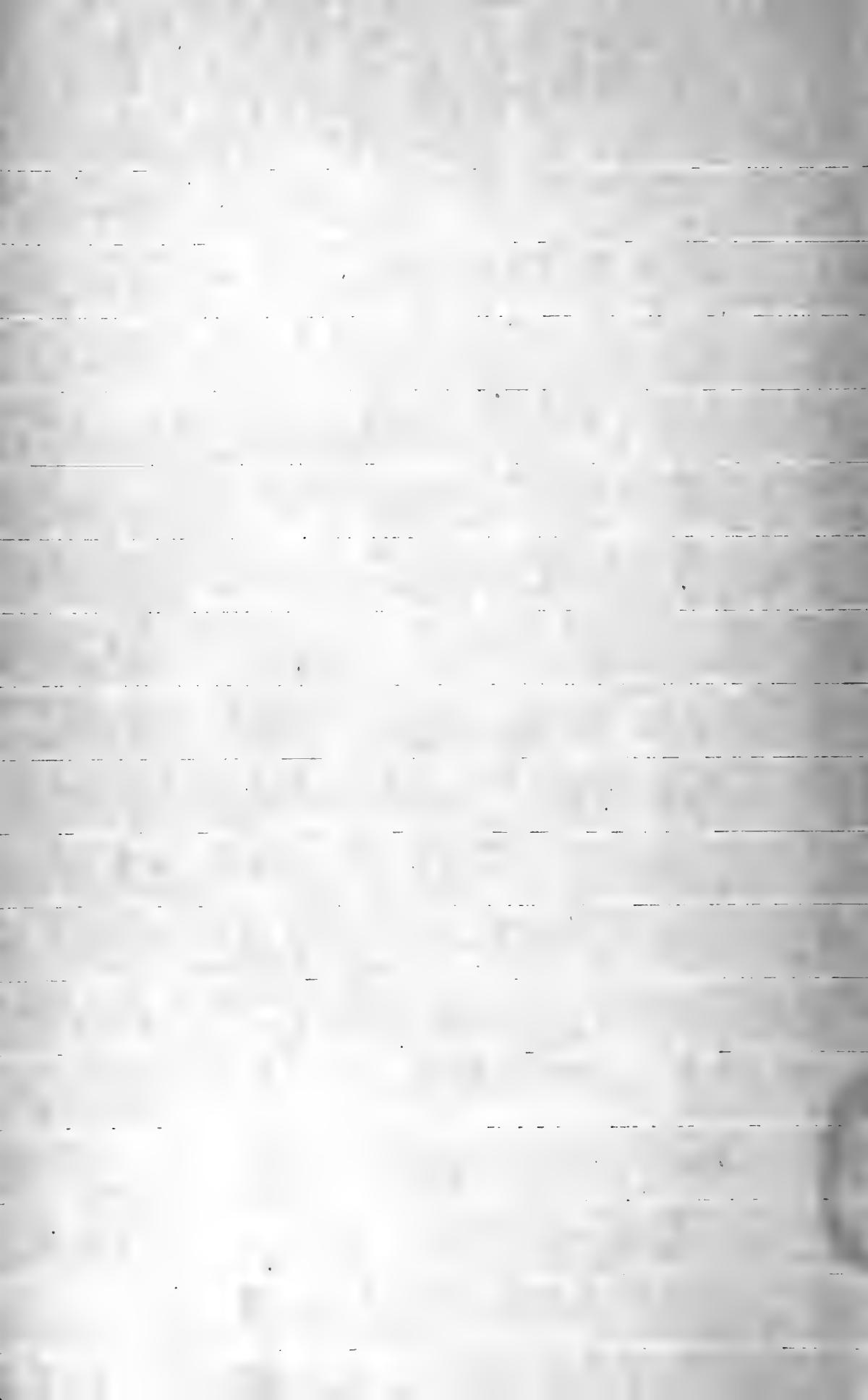
2961 *Cakile edentula* " var. *californica* (Heller) Fernald
sandy knolls along the beach,
Half Moon Bay, San Mateo Co., Calif.
July 19, 1941 - petals inconspicuous
forming clumps.

2962 *Cakile maritima* (L.) Scop.
Fls. purplish - forming mats - abundant
and often intermixed with the above.
as no. 2961.

2963 *Phacelia*
Fls. white, loose granitic soil, near
Middle Fork of Stanislaus, about
16 miles west of Wardenelles
Tuolumne Co., alt. ca. 6000 ft, July 26, 1941

2964 *Cryptantha simulans* ~~pro~~ Borage
Fls. white. - as. 2963

2965 *Arabis rectissima* Greene
open pine forest - granitic soil,
as 2963



2966 *Menzelia dispersa* Wats.
Fls. yellow - as 2963.

2967 *Rorippa*
near small creek, tributary of Middle Fork of
Stanislaus River, ca. 8 miles west of
Dardanelles, Tuolumne Co. -
ca. 6,500 ft. July 26, '41

2968 *Buxinus sellulus* Kell.
dry flat in open area between ponderosa
pines - near ^{Deadman Creek} ~~Middle Fork of Stanislaus R.~~, ca. 2
miles east of Dardanelle ca. 6,000 ft.
Tuolumne Co., July 26, '41

2969 *Pristeris* ^(C. et. P.) _{Umbelliferae}
or no. 2968

2970 *Cardamine breweri* Watson
Small stream at the edge of the water -
Fls. white. - as 2968.



2971

arabis platysperma

Fls. often white at first - turn pink as it expands.
 petals barely exceeding sepal., perennial,
 granite soil - dry open slope in open stand
 } pine. near Deadman Creek ~~Standish~~ R.
 west of Sonora Pass - ca. 8 mi. east of
 Dardanelles, ca. 7,500 ft. -

July 26, '41

2972

arabis Halboellii var.

Siliques rather sharply reflexed - granite rocks.
 as 2971

2973

Descurainia californica

as 2972

2974

Hakelia Jessiae (McGregor) Brand
 clumps. fls. blue - as 2971

2975

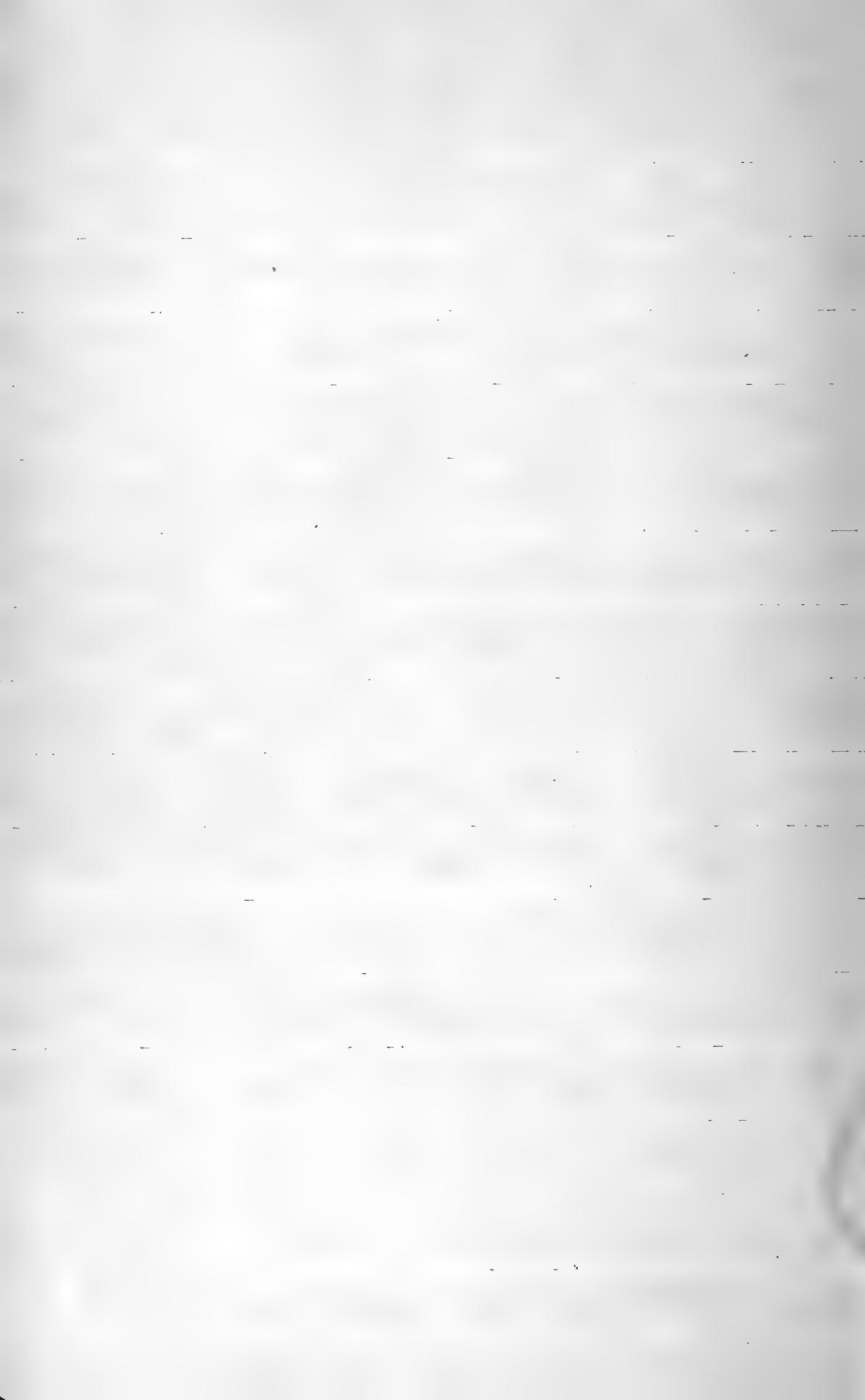
Primula emarginata (Dougl.) Walp.

shrub 4 - 8 ft. silvery older bark.
 steep hillside - as 2971

2976

Scrophularia californica Cham.

in the rocks as 2971



2977

Phlox douglasii Hook.

Sonora Pass, Sierra Nevada forming small
mats, fls. light pink, Mono Co. -
alt. 9600 ft. July 28, '41

2978

umbellifer

Fls. creamy white, dry slope in loose soil.

as 2977

2979

Pteryxia terebinthina (Hook.) C. & R. umbellifer
var. *californica* (C. & R.) Mathias

Fls. yellow. - as 2978.

2980

Arabis platysperma

petals pink - dry slope in loose soil. -

as 2977

2981

Calochortus leichtlinii Hook.

petal white - brown streaks on back, purplish-
brown blotch on inside - stems 2-4 inches
high - dry slope with pushia & sagebrush -
2 miles east of Sonora Pass, ca 8,000 ft.,
Mono Co., ~~as~~ July 28, '41

2982

Penstemon Speciosus Dcneil.

as 2981 fls. - purple

2983 *arabis sparsiflora* var. *subvollosa*
stems spreading - arcuate - growing
with *pusilla* & *artemisia*
as no 2981

2984 *Thalictrum Fendleri* Engelm.
as 2981

2985 *Orobanchus californicus* C. & S. s. *prophyticus*
var. *conyzoides* (Rydb.) Munz
as 2981

2986 *Penstemon heterodoxus* Gray. subsp. *typicus* Keck
det. Keck 1947
Under pines - near 7 mi. of Walker River,
about 4 mi. east of Sonora pass etc.
alt. 8,500 ft. July 26
Mono Co.

2987 *Arabis ammonoides*
br. white or pinkish - as 2986

2988 *Prunus Andersonii*
Shrub 3 - 5 ft. high - dry rock
slope - with *artemisia* & *identata* ca
8 mi. East side of Sonora pass ^{Mono} Co.,
alt. ca. 7,000 ft. July 27 4



2989 *Arabis platysperma*
rock crevices - as 2988 -

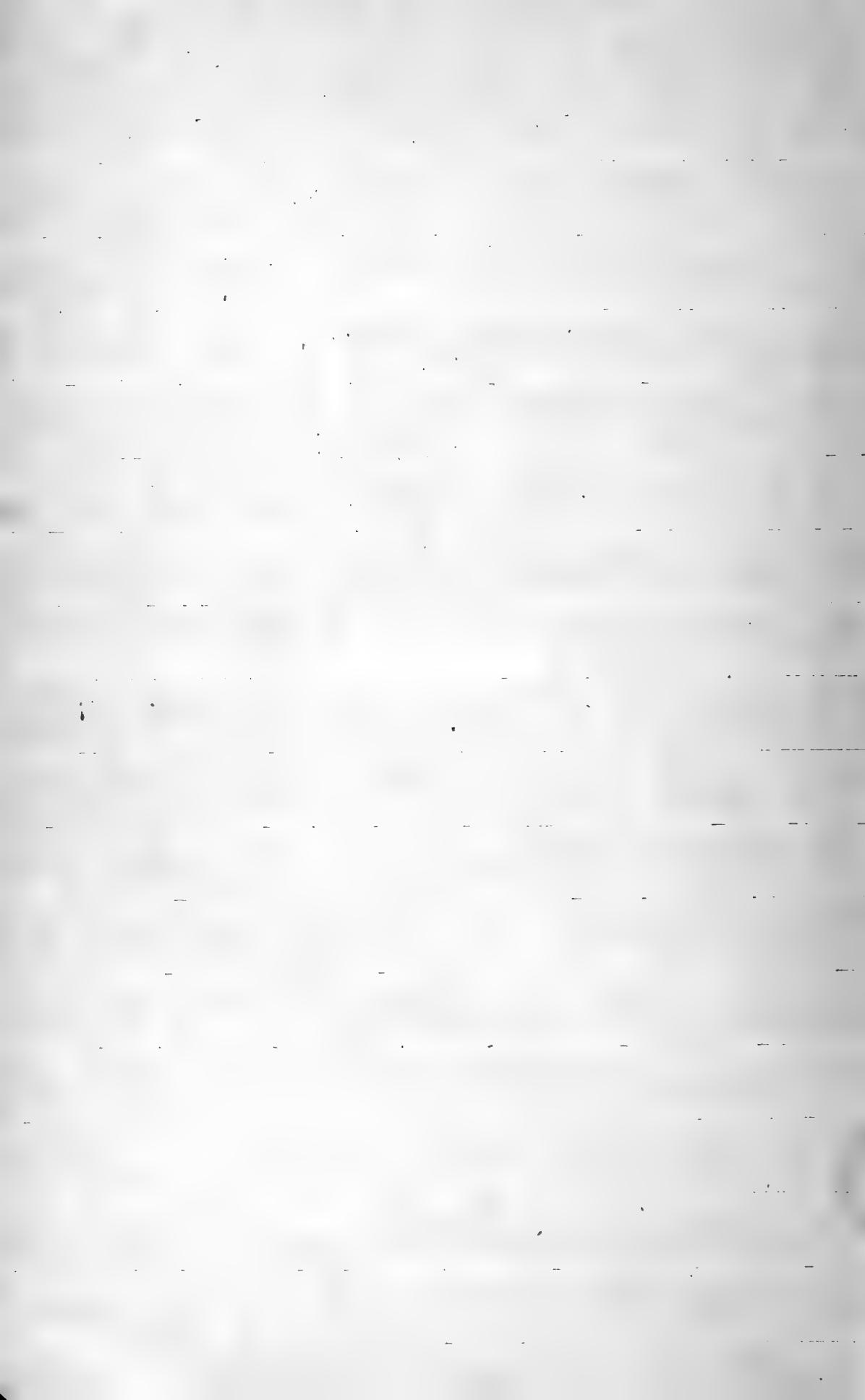
2990 *Paeonia Brownii* Dcyl.
Moist open slope, near granite rocks,
clumps, - open pine - *P. contorta*.
4 miles east of Sonora Pass, ~~Sierra~~^{mono}
Co., alt. ca. 8,500 ft. July 27, '41

2991 *Allium Aushwae* M.E. Jones
Fls. purple - open dry slope - as 2990

2992 *Tritelia ixioides* (Ait. f.) Greene
var. *analina* (Huon) Hoover
Perianth yellow with dark brown stripes - dry
grassy slope, 2 miles west of Sonora Pass
granitic soil, ca. 9000 ft. Tuolumne Co., July 27, '41

2993 *Brachysiphon suffulescens*
among sagebrush - variable as to amount of
wood at base, slopes shingly reflecting
as 2992

2994 Fern -
Rock crevices as 2992 - dry



2995

Fern

as 2994

2996

Arabis Holboellii Hornem., var. *pictonum*.

siliculae pendulous - rock crevices

2997

Penstemon breviflorus Small. Scrophulariaceae

Fls. pale - nearly white with a tinge of purple - shrubby at base, 2-4 ft. high - granite soil near rocks, 6 miles west of Sonora Pass, alt. ca. 8,000 ft -

Tuolumne Co.,

July 27, '41



2998

with M. Doty

Limnanthes Douglasii R. Br.

open field, fls. white, about 3 miles west
of Coyote, Santa Clara Co., Calif. -

April 1, 1942

2999

with M. Doty

Cardamine californica (Nutt.) Greene

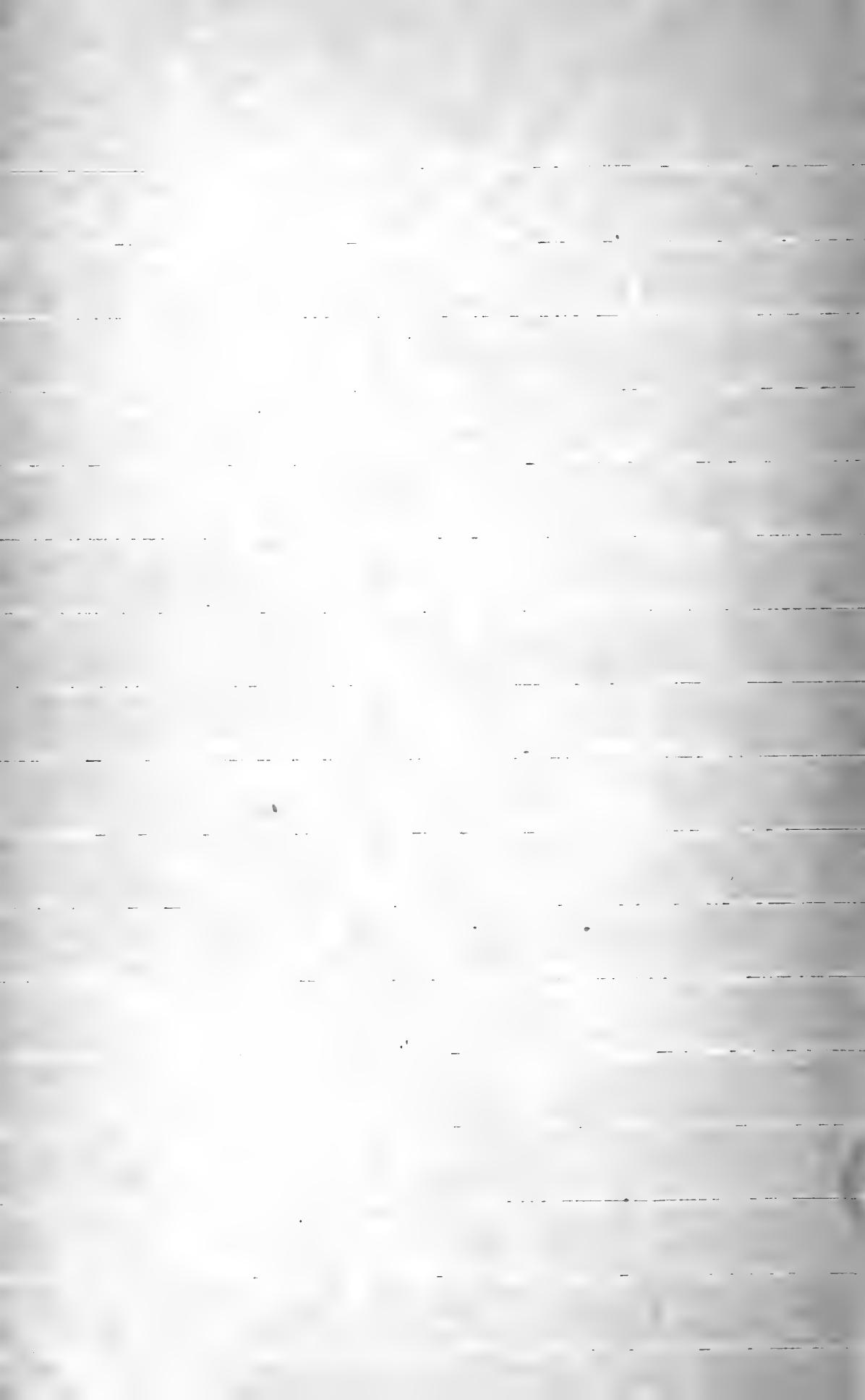
moist shaded bank, 5 miles northwest of Los
Gatos, Santa Clara Co., Calif. - April 1, 1942
Redwood area - Santa Cruz mts.

3000

with M. Doty

Cardamine californica (Nutt.) Greene

moist shaded bank in the Redwood area, Santa
Cruz mts., 4 miles northwest of Portola,
San Mateo Co., Calif. - April 1, 1942.



shallow, $\frac{1}{2}$ in. high, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.
soft and coppery, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.
thin.

thin, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.

3002

thin, $\frac{1}{2}$ in.

Stems $\frac{1}{2}$ in. \times $\frac{1}{2}$ in., $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.
irregular

red, grassy slope as 3001

3003

thin, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in., $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.
dark reddish, few pale pink.
Stems $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.

3004

thin, $\frac{1}{2}$ in.

dark reddish, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in., $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.
irregular, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.

as 3003

thin, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in., $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.

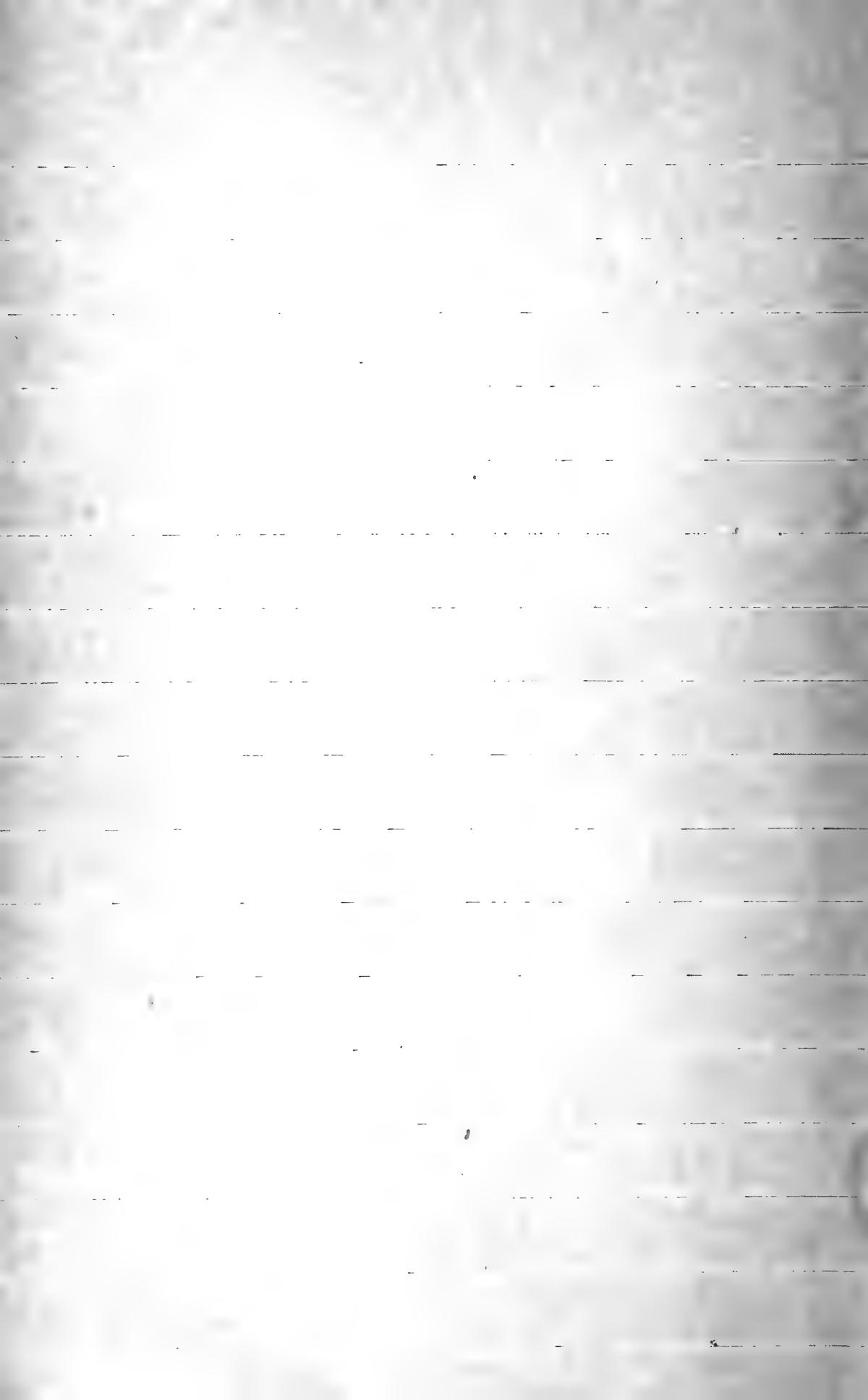
dark reddish, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.

dark reddish

thin, $\frac{1}{2}$ in.

dark reddish, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.

dark reddish, $\frac{1}{2}$ in. \times $\frac{1}{2}$ in.



3607
P. 1. *Leucosia* *albiguttata*

2000 ft. - 2000 ft. - 2000 ft.

8000 ft.

3608
P. 1. *Leucosia* *albiguttata*

2000 ft. - 2000 ft. - 2000 ft.

3609
P. 1. *Leucosia* *albiguttata*

2000 ft. - 2000 ft. - 2000 ft.

3610
P. 1. *Leucosia* *albiguttata*

2000 ft. - 2000 ft. - 2000 ft.

3611
P. 1. *Leucosia* *albiguttata*

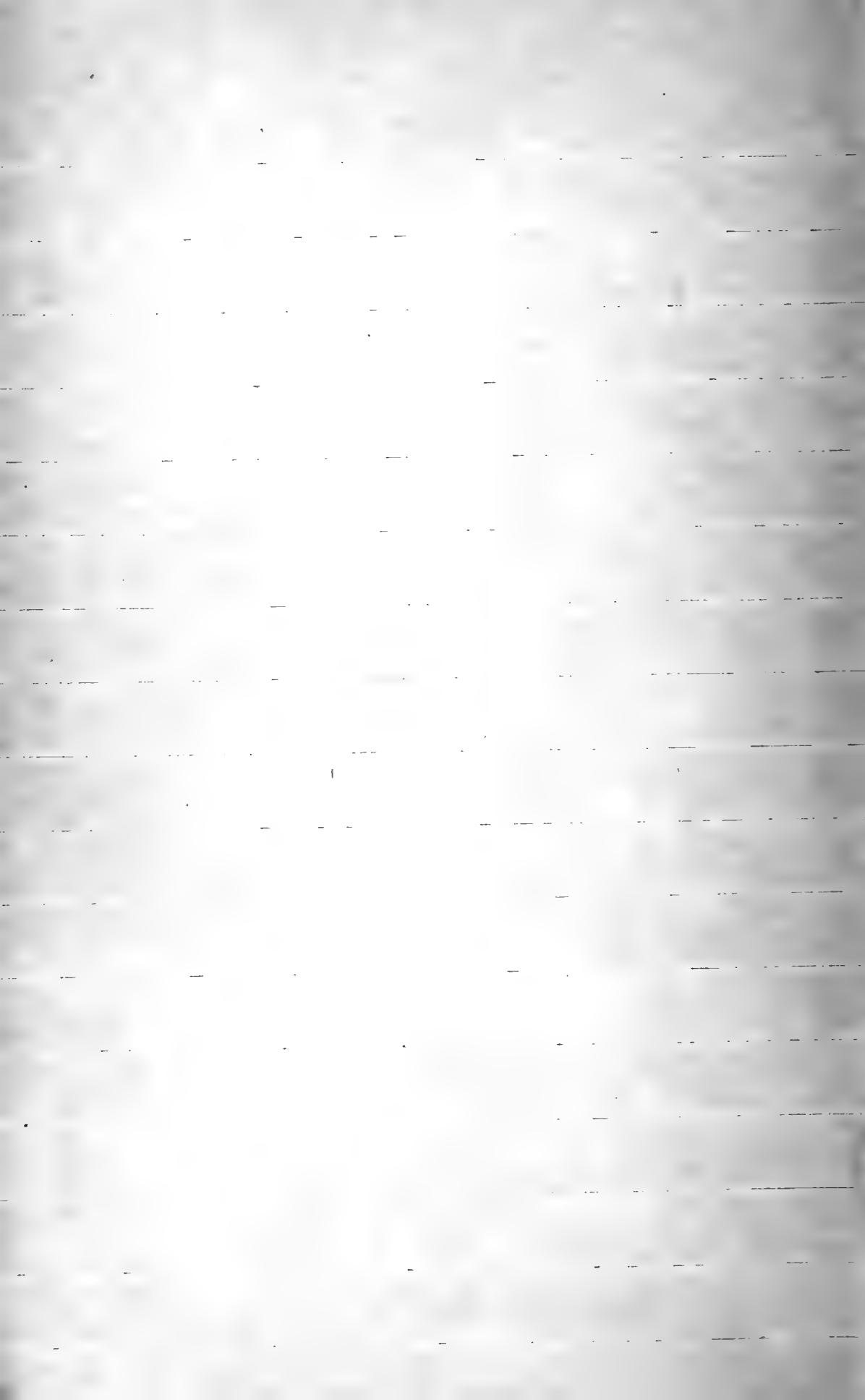
2000 ft. - 2000 ft. - 2000 ft.

3612
P. 1. *Leucosia* *albiguttata*

2000 ft. - 2000 ft. - 2000 ft.

3613
P. 1. *Leucosia* *albiguttata*

2000 ft. - 2000 ft. - 2000 ft.



3673



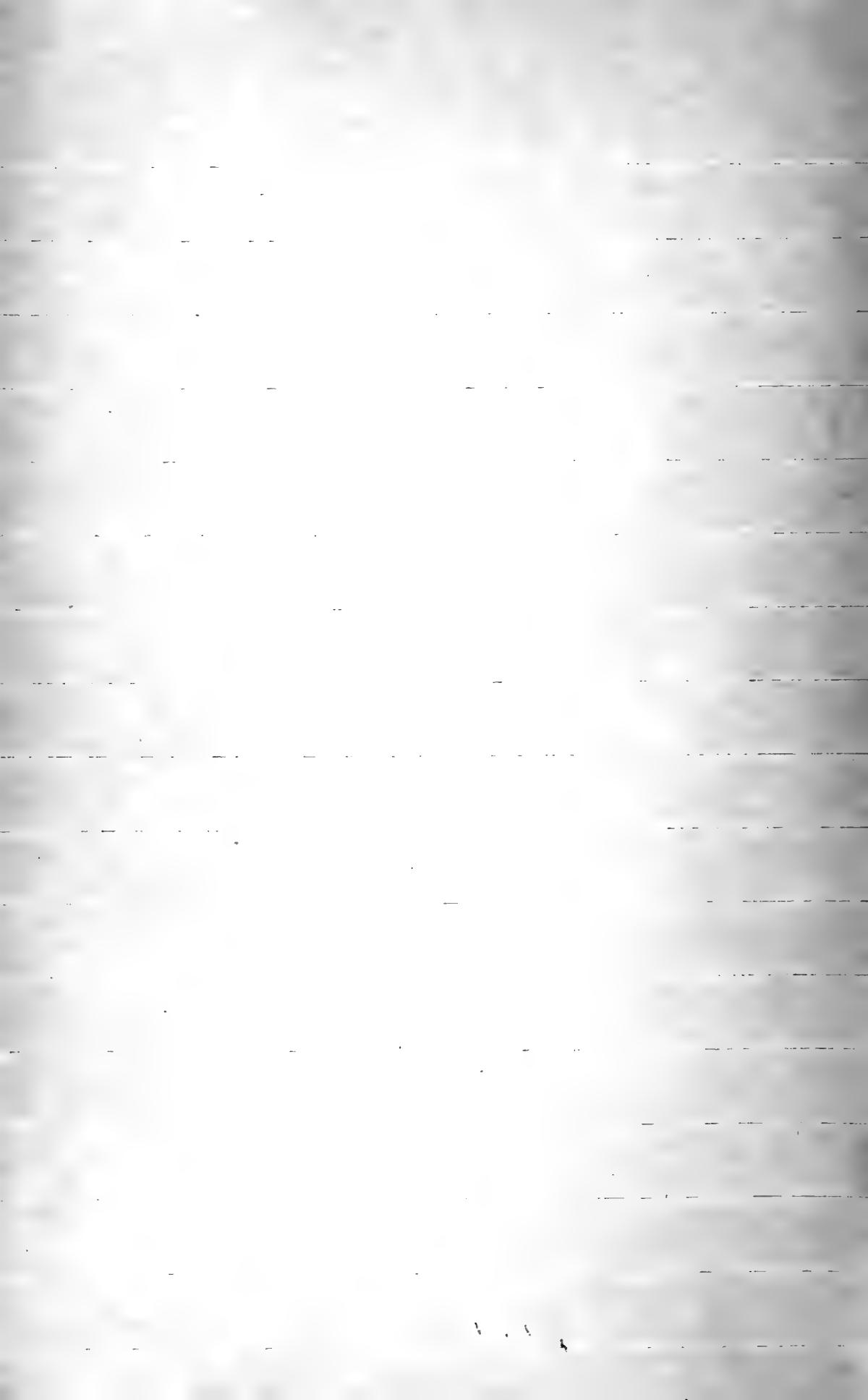
3023 Cardamine

3024 Arabis aculeolata

with Pinus ponderosa and Arctostaphylos.
Horkelia, Agoseris & Delphinium.
sepals and petals ~~purple~~ rose-purple, stems
usually numerous.

Rough & Ready Creek, 5 miles so. of Cave Junction.

Rocky, basaltic flat.



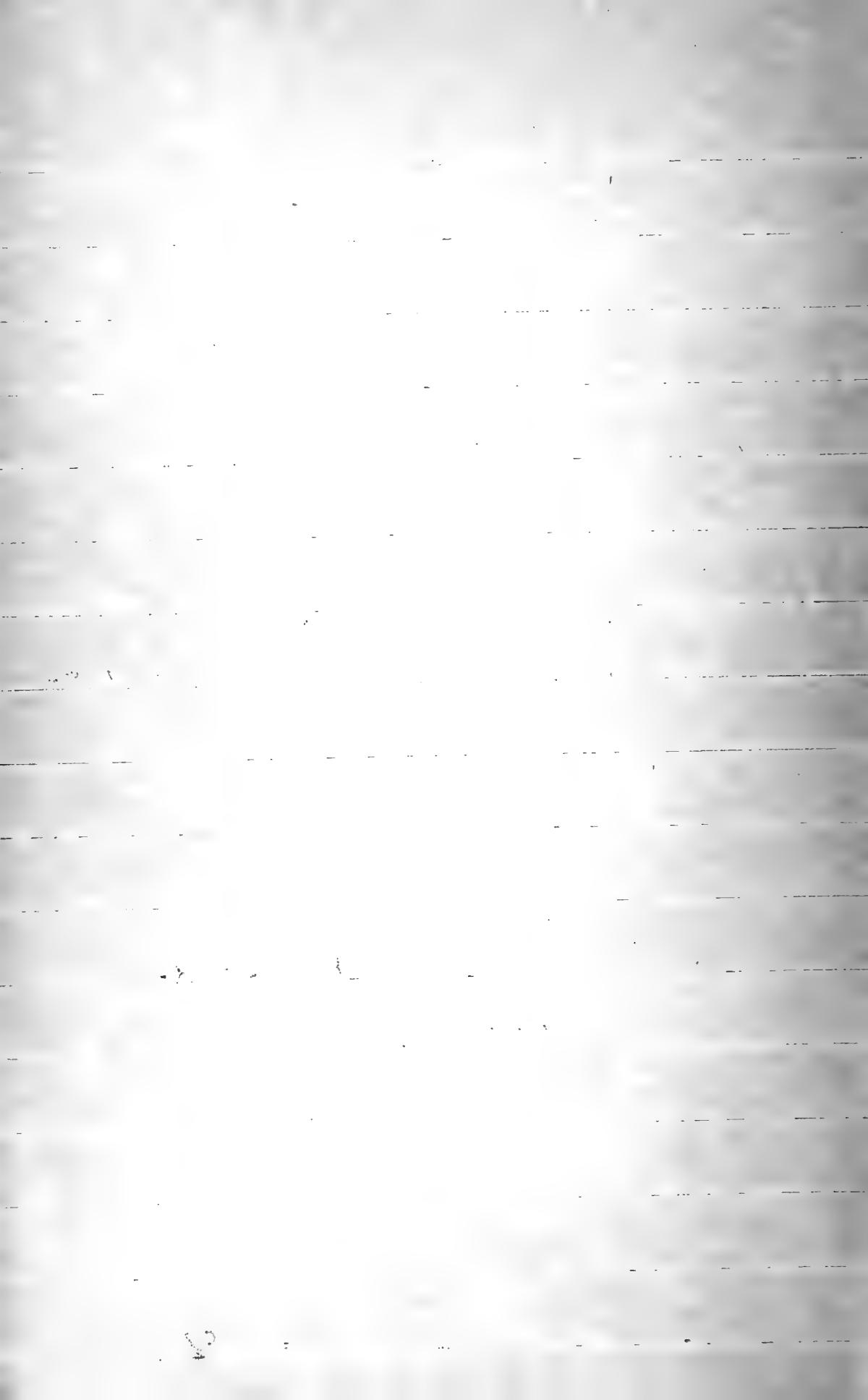
3025 *Arabis aculeolata* Greene
Stony outwash on Little Rock Creek,
2 miles southwest of O'Brien, Josephine Co.
Oregon. - May 19, 1942 -
Pinus ponderosa - *Lobocedrus* - *Pseudotsuga* with
Arctostaphylos, *Quercus* & *Audelia*.

3026 *Arabis sparsiflora* Nutt.
var. *arcuata*.
base of canyon walls, a woody caudex highly
branched, stems numerous, inflorescences arcuate,
suberect spreading. near the Merced River,
~~Yosemite Valley~~
2 miles west of the entrance to Yosemite
National Park, Mariposa Co., Calif.

June 15, 1942

3027 *Rorippa subumbellata*
petals yellow, stoloniferous, stolons very slender
or thread-like. loose sand on the shore of
Lake Tahoe, Meeks Bay, Eldorado Co.,
alt. 6225' Calif.

Sept. 9, 1942

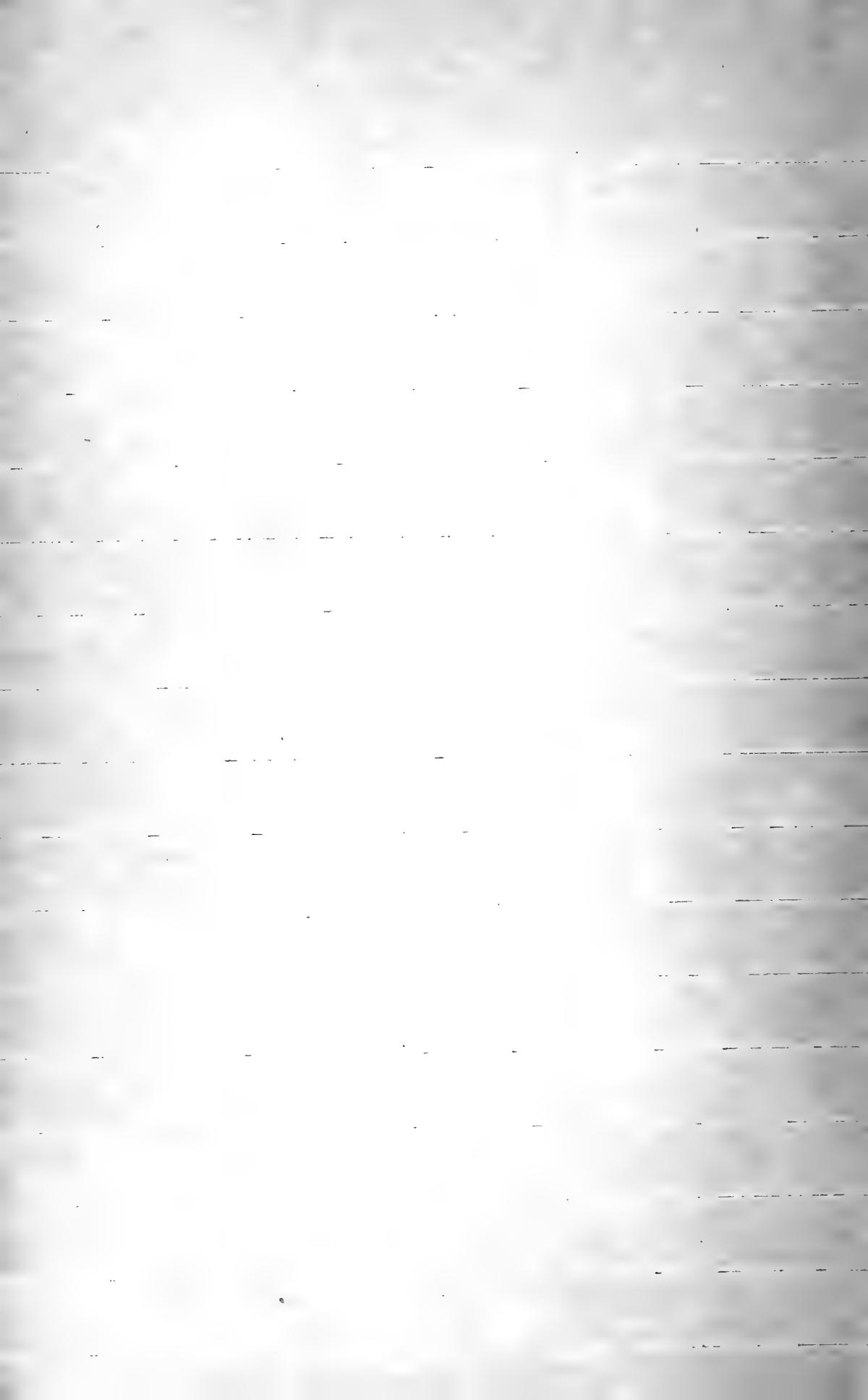


3028 *Rorippa curvisiliqua* (Horn.) Borey
perennial probably - stems decumbent, petals
yellow - siliques straight to slightly
curved. - sandy beach, Lake Tahoe,
Meeks Bay. Sept. 9, 1942
= var. *orientalis* Steyermark

3029 *Phacelia leucophylla* Torr., var. (?)
det. B. Constance
perennial, fls. white, loose granitic
sand along the beach, Meeks Bay, Lake
Tahoe, Eldorado Co., Calif. Sept. 9, '42
alt. 6225 ft.

3030 *Rorippa curvisiliqua* var. *orientalis* Steyermark
⑨ Erect, annual? siliques straight to slightly
curved upward, one plant from sunny location - others
in partial shade of *P. ponderosa* + *P. contorta*.
granitic soil, Meeks Bay, near Lake Tahoe,
Eldorado Co., Calif. - alt. 6225 ft.
Sept. 9, 1942.

3031 *Rorippa curvisiliqua* (Horn.) Borey
Decumbent, perennial, fls. yellow,
moist areas along the shore of
Mud Lake about 2 miles south of
Palo Alto, Santa Clara Co., Calif.
July 30, 1942

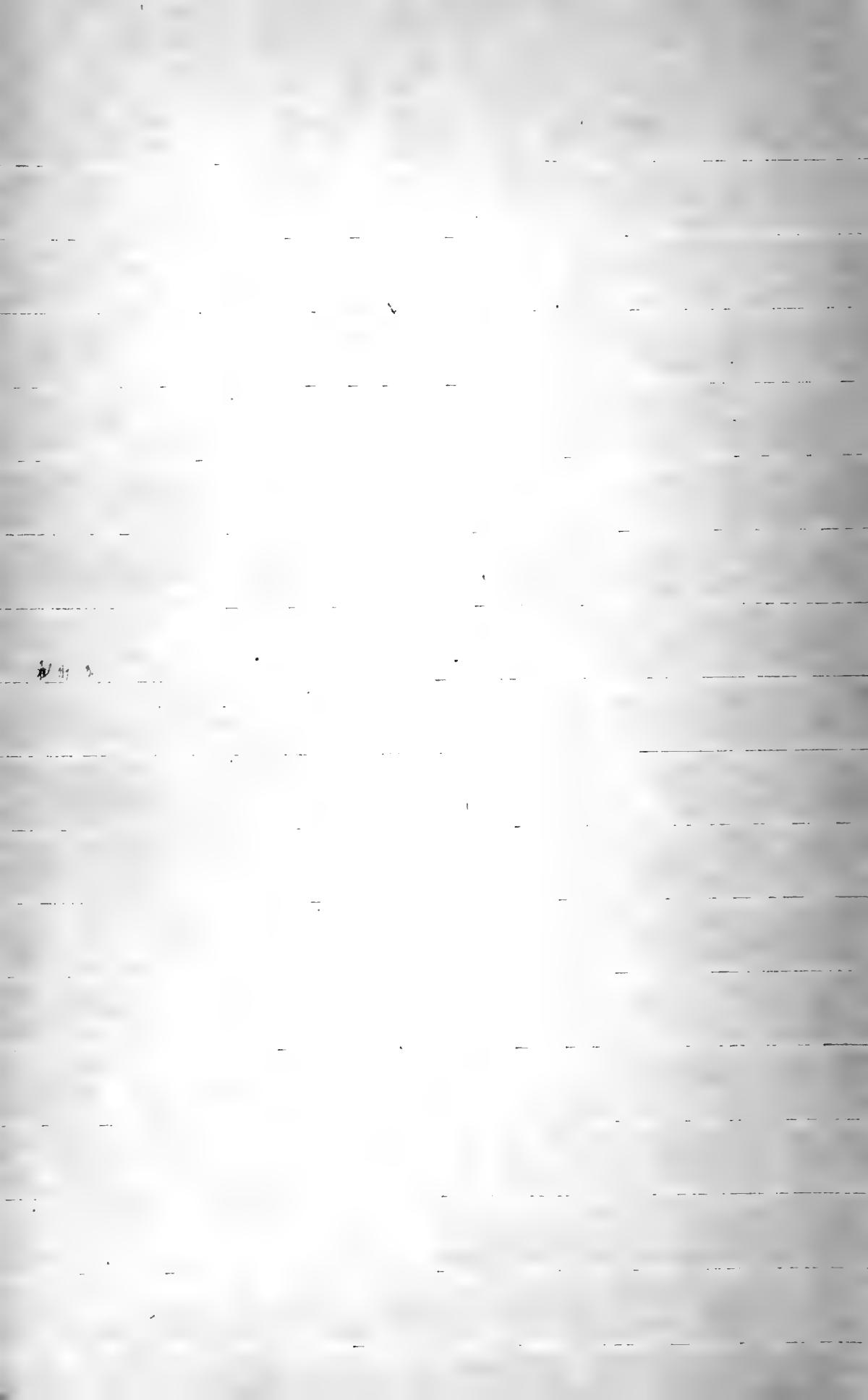


3032 *Calile maritima*
Dense clumps on hummocks of sand,
fls. pinkish purple, Miramar
Beach, about 5 miles north of
Half Moon Bay, San Mateo Co., Calif.
Nov. 4, 1942.

3033 *Cardamine integrifolia*
Com leaves mostly of a single lobe, ^{three rounded} fls. white
to pink. - open grassy hillside,
1 mile south of Carmel, Monterey Co.,
March 12, 1944.

3034 *Cardamine integrifolia*
com leaves of three lobes mostly, sometimes
single - lobes rounded - under pines near
sand dunes of Monterey Bay, 1 mile
northwest of Pacific Grove, Monterey Co.,
Calif. - March 15, 1944

3035 *Cardamine integrifolia*
moist slope under the pines, Del Monte
Properties, 2 miles south east of Monterey,
March 12, '44



Dentaria integrifolia Nutt.

3036 *Cardamine* var. *californica* (Nutt.) Tepo,
fern leaves pinnate or bipinnate, moist
hillside under the oaks, 8 miles
southeast of Monterey, Monterey Co., Calif.
March 12, 1944

3037 *Lespedeza nitidum* Nutt. !

Slender purplish from above, greenish below,
annual, basal leaves pinnatifid - usually
branching from base to apex. -

Open undisturbed lot - with *Baccharis*,
Orthocarpus, *Plagiobothrys* etc.

Salinas, California - April 20, 1944

3038 *Nemophila*

mint ~~dry~~ hillside, oak - ~~Eriodictyon~~

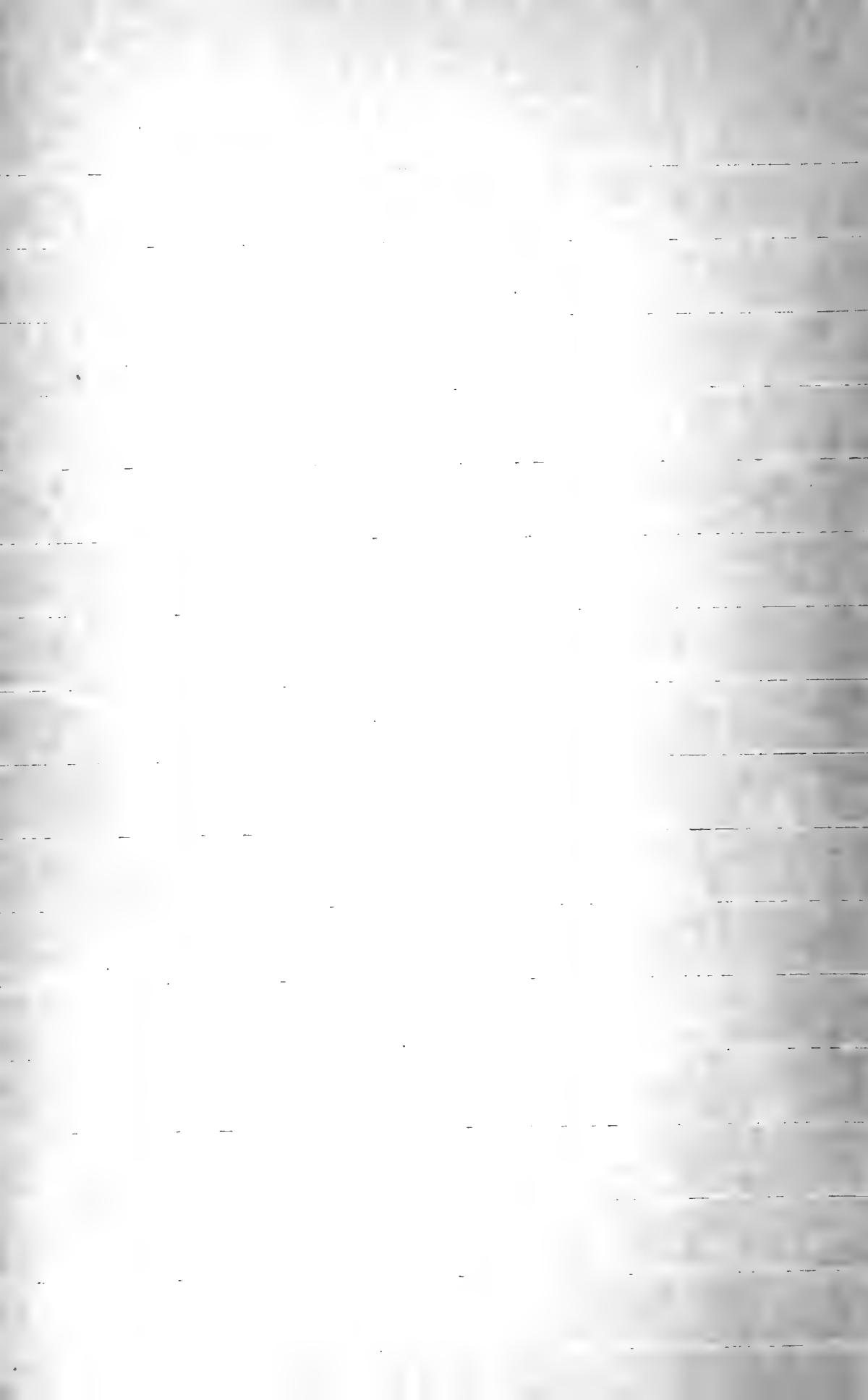
Chualar Canyon, Gabilan Range, ca.

10 miles east of Salinas. Monterey Co.,

May 7, 1944

3039 *Collinsia*

Dry hillside - as 3038



3040 *Arabis glabra*
 shade of oaks, steep hillside - Chualar
 Canyon, Salinan Range, ca. 10 miles east
 of Salinas, Monterey Co., May 7, 1944

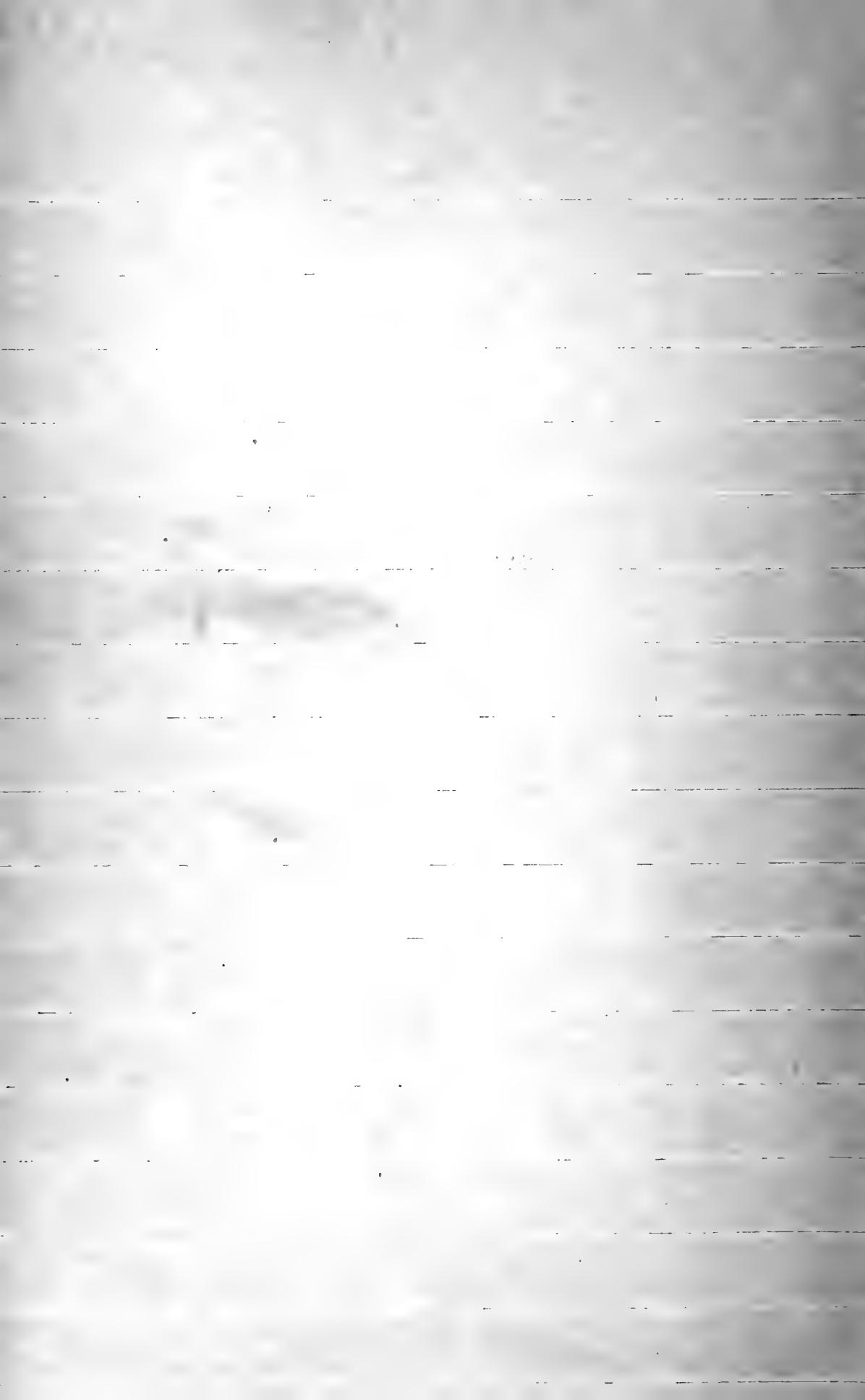
3041 *Cakile maritima* Scop.
 Marina Beach, Monterey Co.,
 Sept. 3, 1944.

3042 *Arabis glabra* Mill.
 Big Sur, San Luis Obispo Co.,
 Mount Diablo, California, May 1945.
 Pic. on 25, 1946

3043 *Arabis glabra* Mill.
 Big Sur, San Luis Obispo Co.,
 Big Sur, California, May 1945.
 Differs from no. 3042
 in having a multi-lobed floral

3044 *Arabis glabra* Mill.
 Big Sur, San Luis Obispo Co.,

juniper hook.



(3)

are (C. A. Meyer) Roll.
var. *elongata* Rollins
California 1900-1901 116 (66)
street-weed Chrysanth Co.

(2)

~~Calanthus~~, *Calanthus pilosus* (Wats.) (Pursh) Britt.

1 to 3 ft. high, branched, hairy
Leaves opposite, glaucous, linear, pointed
Flowers white, bell-shaped, in terminal



(5)

Nutt.

Sanchez Co

3000 ft.

Hornem.

var. retrofracta (Brah.) Rydb.

, var. subtillosa

Caulanthus crassicaulis (Torr.) Wats. (5)

hairy

pungens (Torr.) Tepson

hygrophilus A. Nels.

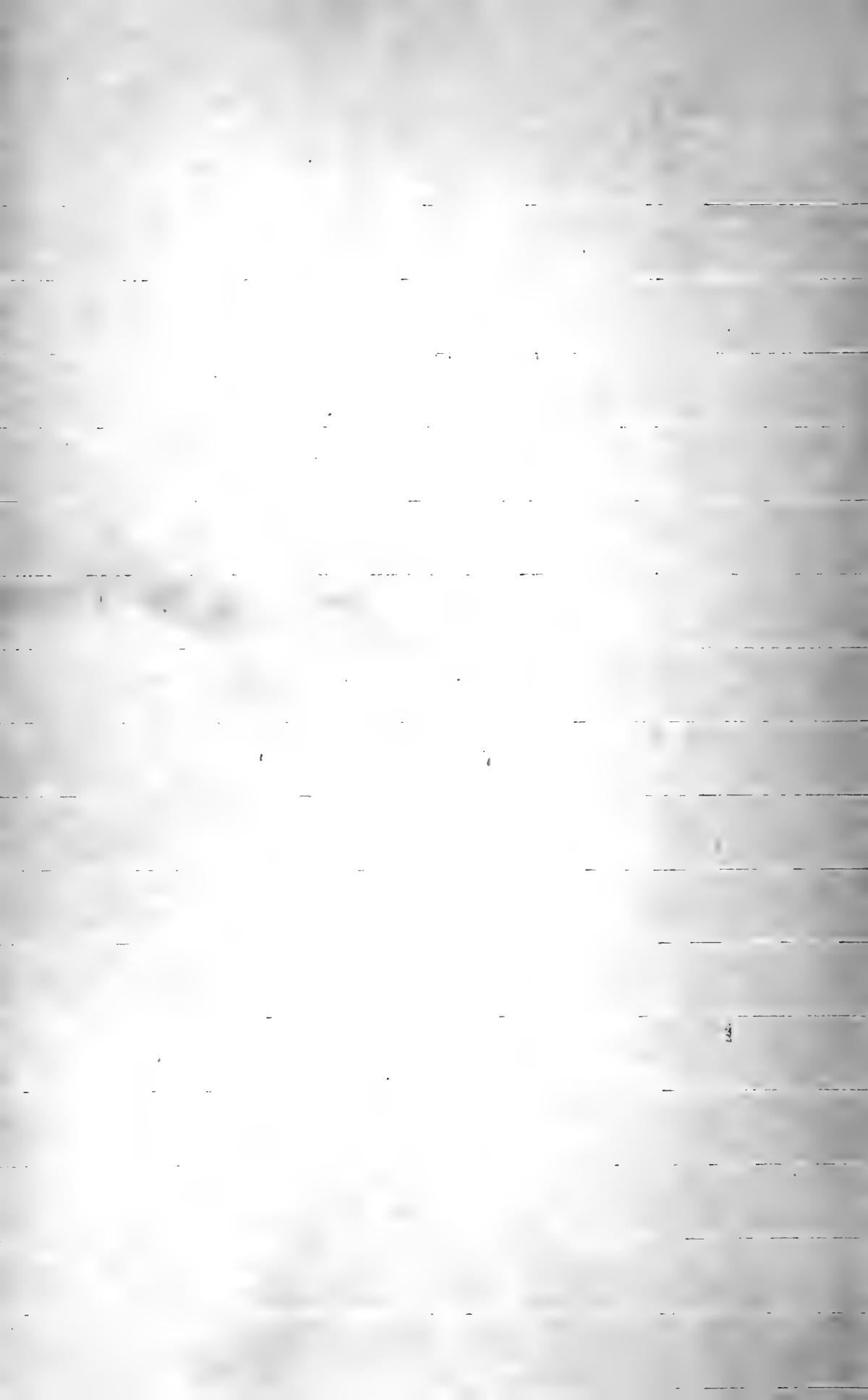
(3)

30

(3)

Caespitosa Nutt.

5)



nel.) Roll

17

Collected

72.

oblongifolia (Nutt.) Don. ⁵
var. *nevadensis* (A. Nels.) V. Wiss.

lignifera A. Nels. (?)

30

Collected

Nutt.

6

Lignum (?) *ligniferum* Nutt. *ligniferum* Nutt.
to California, *ligniferum* Nutt. *ligniferum* Nutt.

→ 2 Gray

3

Nutt.

prostrata L. Voss.

prostrata (L.) L. 17

prostrata L. Voss

prostrata L. Voss

7

prostrata L. Voss

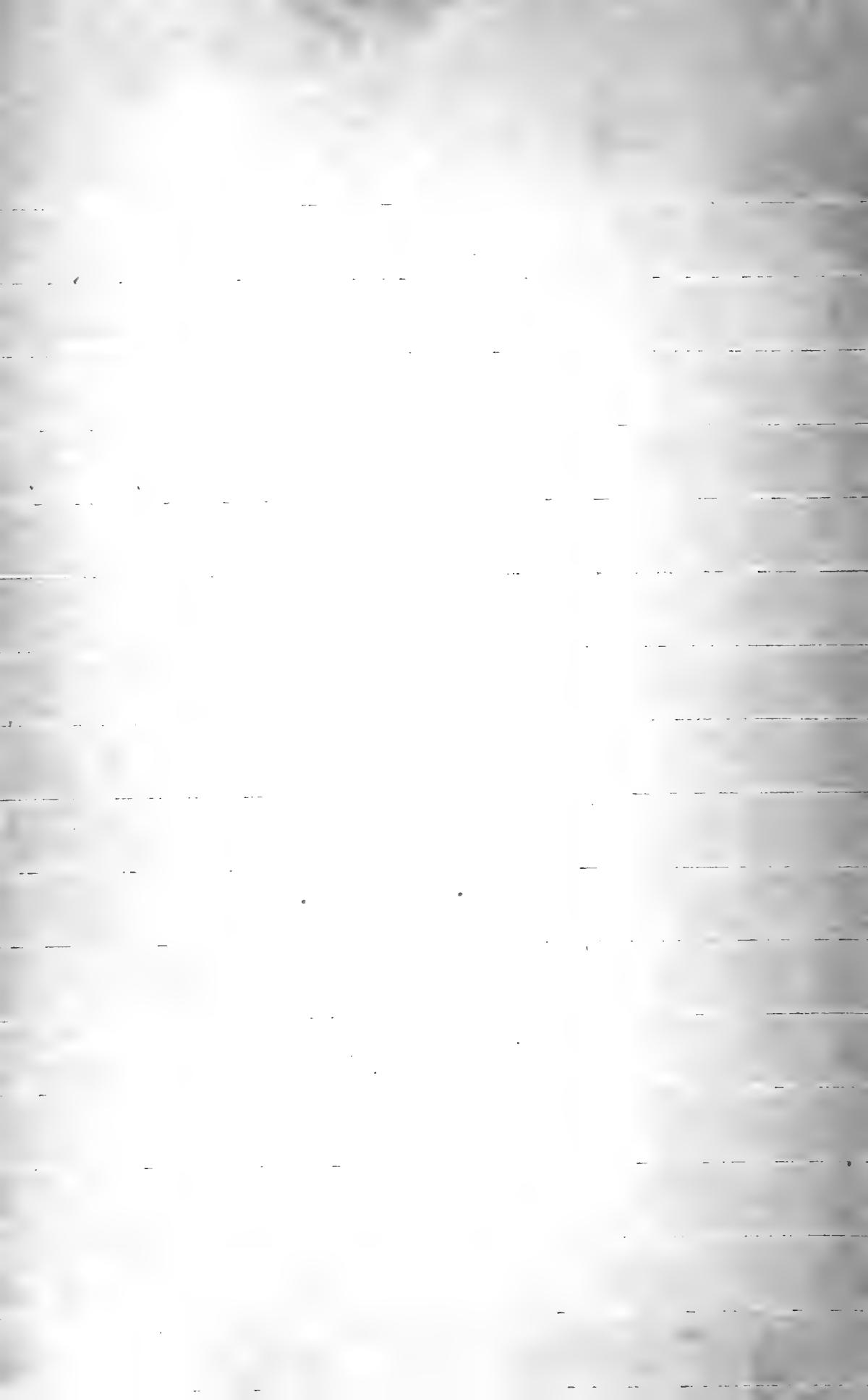
decumbens (Nutt.) a grey?

(4)

decumbens (Nutt.) a grey?

decumbens (Nutt.) a grey?

decumbens (Nutt.) a grey?



6)
Roli.

glaucovar. desert. (a. Nels.) Brand. ④

~~West Hawk.~~

⑤

→ Rush Britt.
^

Roli.

⑥

L. Wm.

3)

alpina (Nutt.) Wats.

in Gray



australis (Pay.) Roll.

congesta Hook.

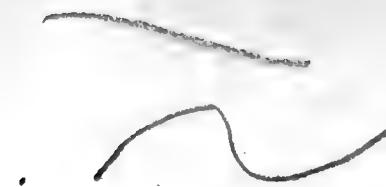
(5)

var. *Burleyana* (A. Nels.) Constance & Roll.
Burleyana

flava (A. Nels.) Payson ²

Rollinsii Tolmstov

(6)



not in Gray



$$36 \times 72$$

$$\begin{array}{r} 18 \\ \times 36 \\ \hline 54 \\ 54 \\ \hline 72 \end{array}$$

36

3.

Agave *linifolium* Nutt.

sp. 3081

Robins (3)

Large plant with many long leaves

Leafy Lake Ranch - Don't think will
have flowered. - June 1930. - 10,000 ft.
Wetland.

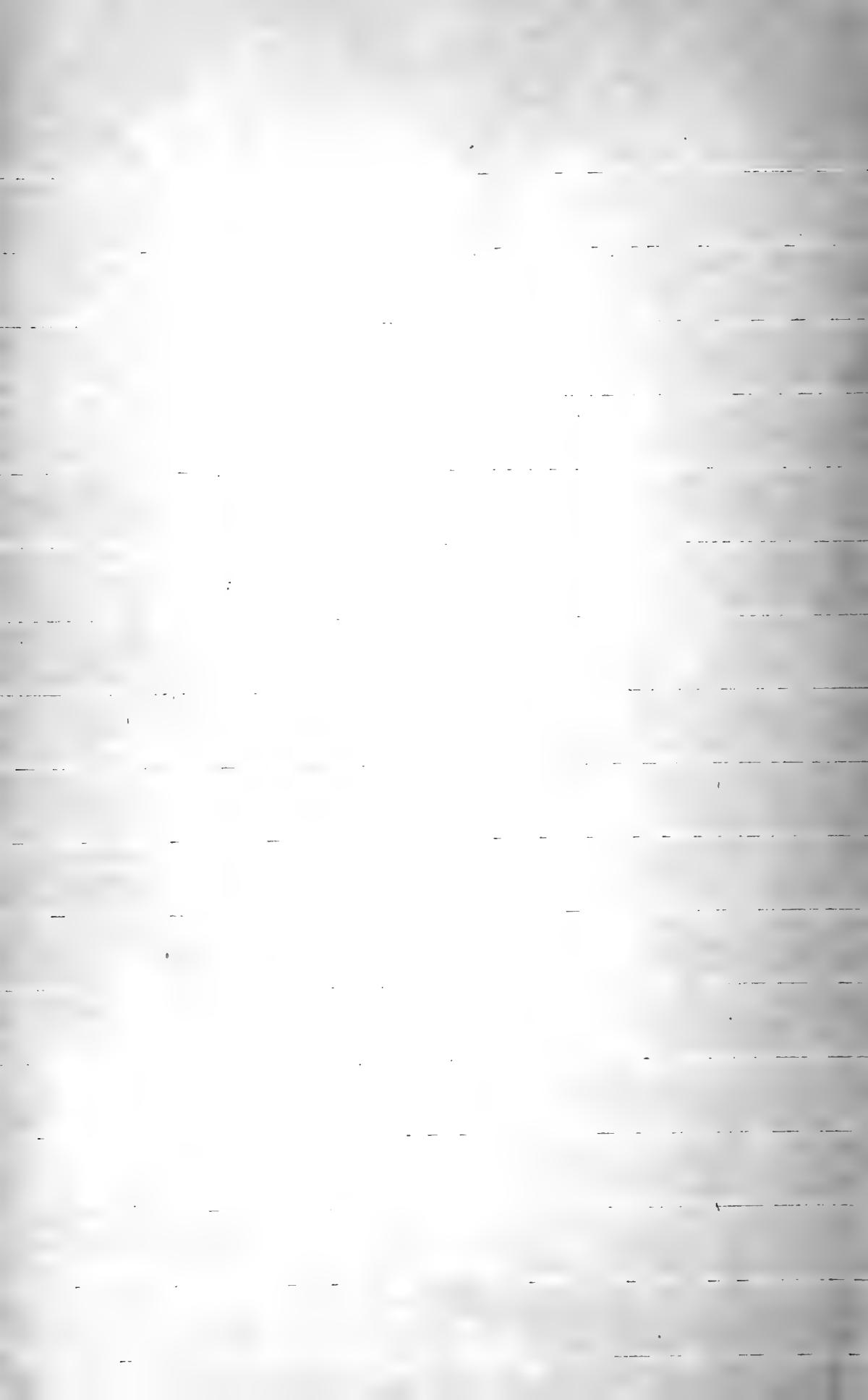
25. *Agave* *linifolium* Nutt.

Large plant with many long leaves

Agave *flava* (A. nels.) Payson? (2)

Large plant with many long leaves

Large plant with



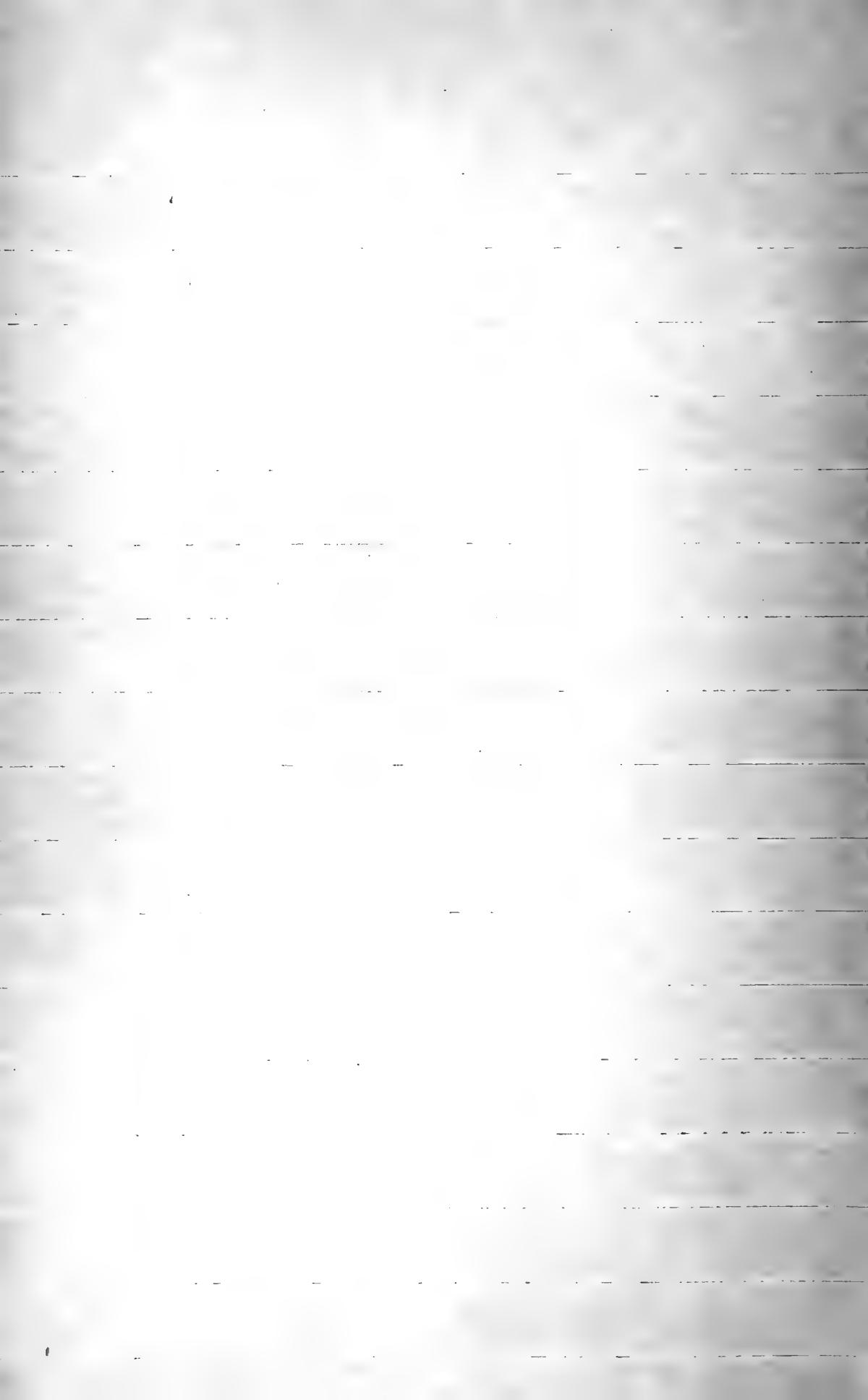
4) *biuncatus* Gray
var. *decalvans* Hdg.

3) *australis* (Payson) Rollins

(purple) Brit.

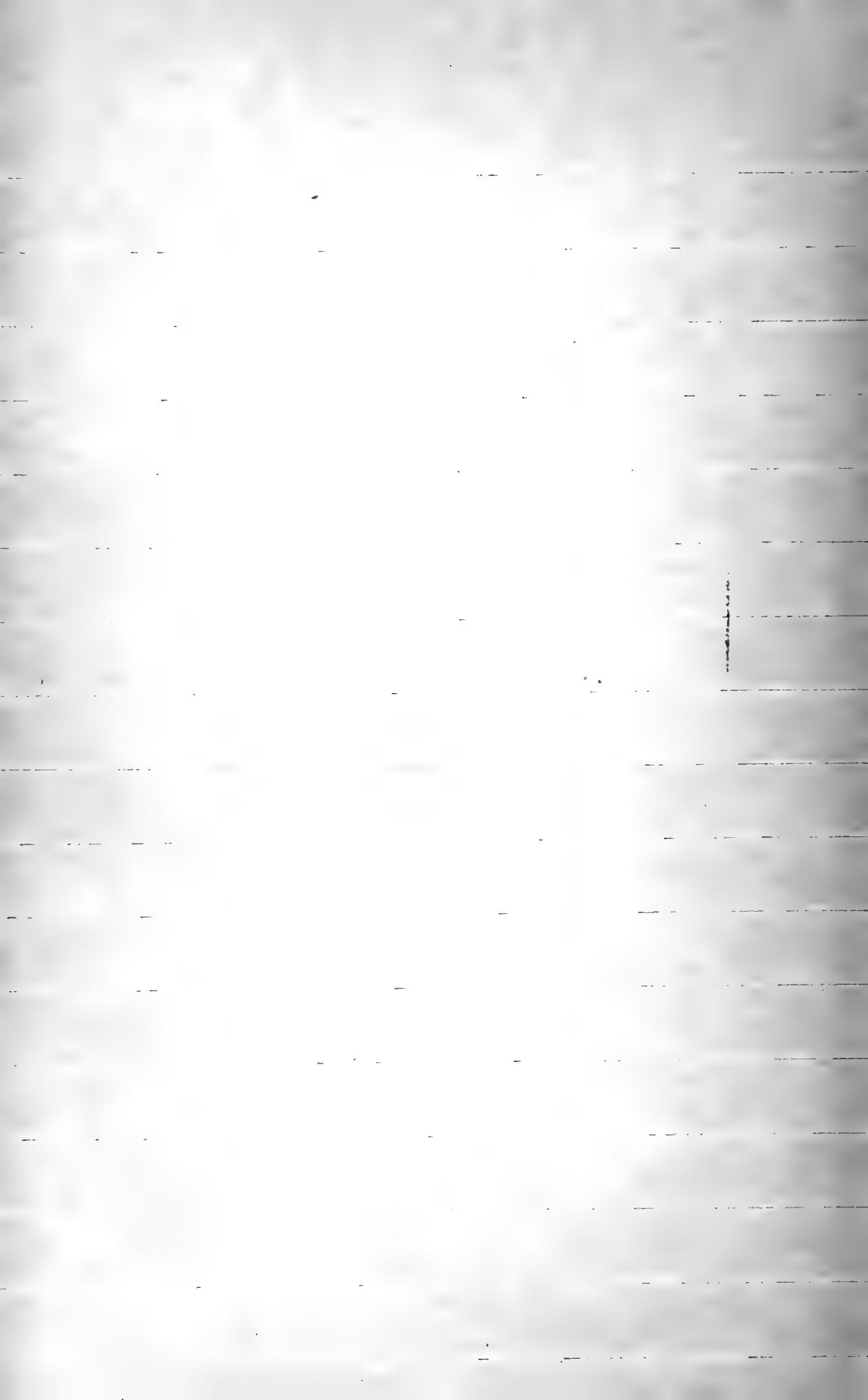
5) (James) Roll

Barneby



4
borale Nutt.
var. utahensis (Rydb.) Roll.

6
alyssoides L.



20. Paulsen - 21861

Neu-Harzau - 30. 7.00 und 31. 7.00

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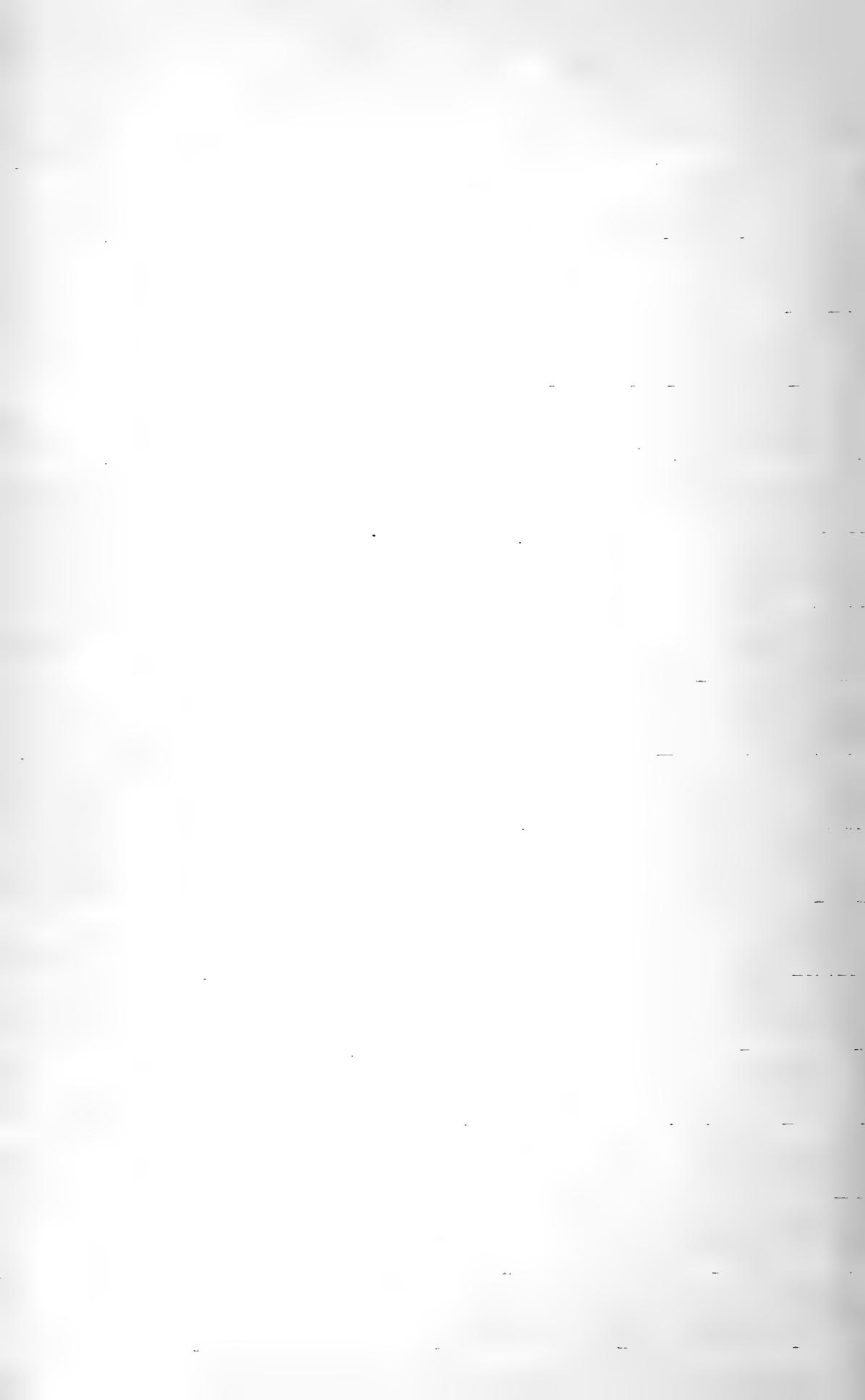
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Chlorophyll

6.



3112 *Indigofera* L.

Flowers blue, 2-3 in. long.

Leaves alternate.

Leaves 2-3 in. long, acum. 22.64
cm. across. bright blue. - present

3113

Fl.

Leaves alternate.

Leaves 2-3 in.

Flowers blue.

3114

Flowers blue.

Leaves alternate, 2-3 in. long.

Leaves 2-3 in. long.

Flowers blue.

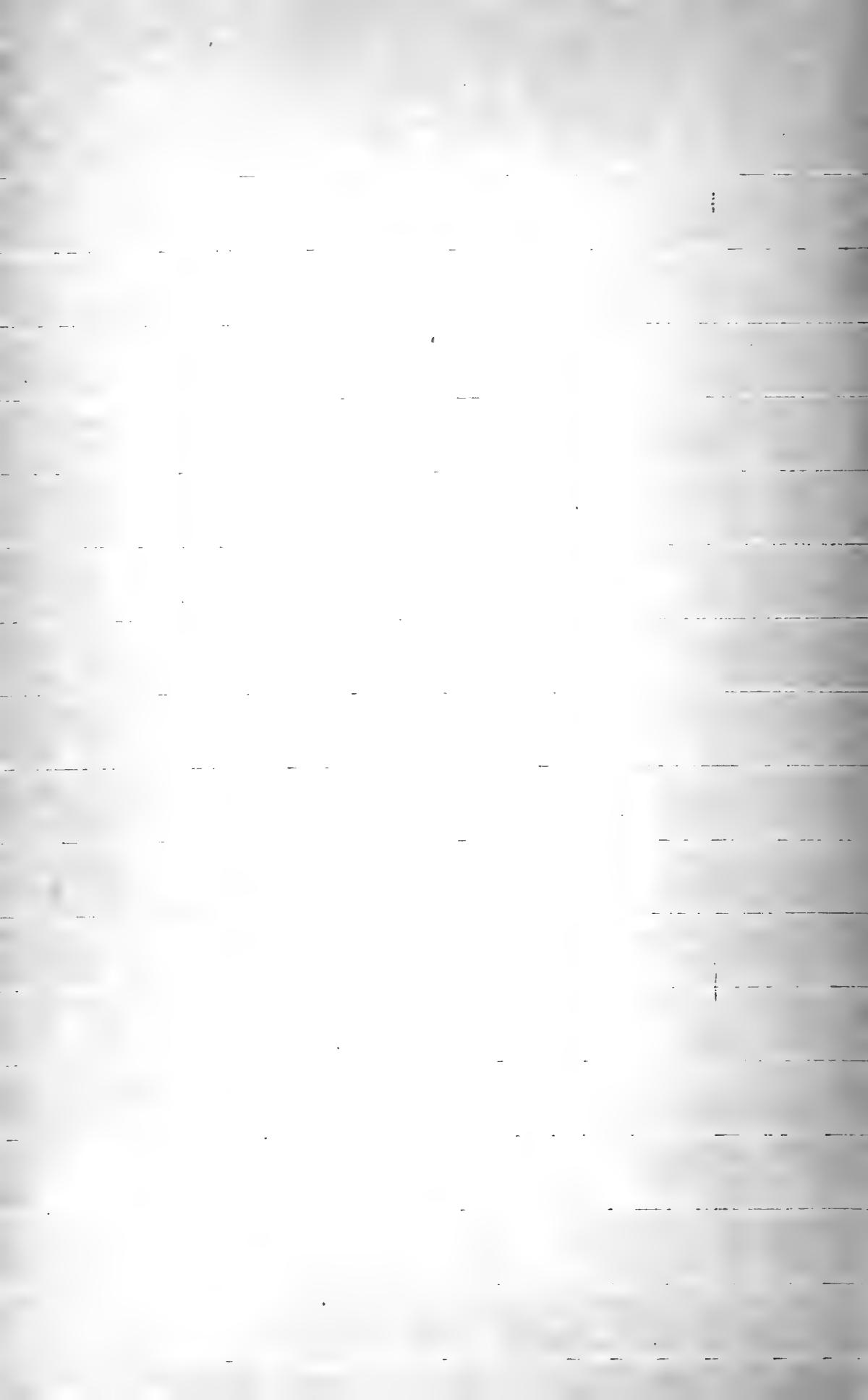
Leaves

Leaves 2-3 in. long.

Flowers blue.

3115

Flowers blue.



3110

Plastic

Plastic & Plastic film

Plastic film

Plastic film

3121

Plastic

Plastic

3121

Plastic

Plastic film

3121

Plastic

Plastic

1 11 4 2

3126 southeast of Rockwood

Town C. Co.

3126

P. arg. —

gravelly
soil

acc. 42356 — west of Terrell,
Brewster Co., Tex., 1900

3127

P. arg. — (on the gravelly soil)

3128

P. arg. — (rough gravelly soil)

acc. 42248 — A. D. near P. & P.
northeast of Alpine, 10 miles. Co.

3129

National hybrid — (on the gravelly soil)

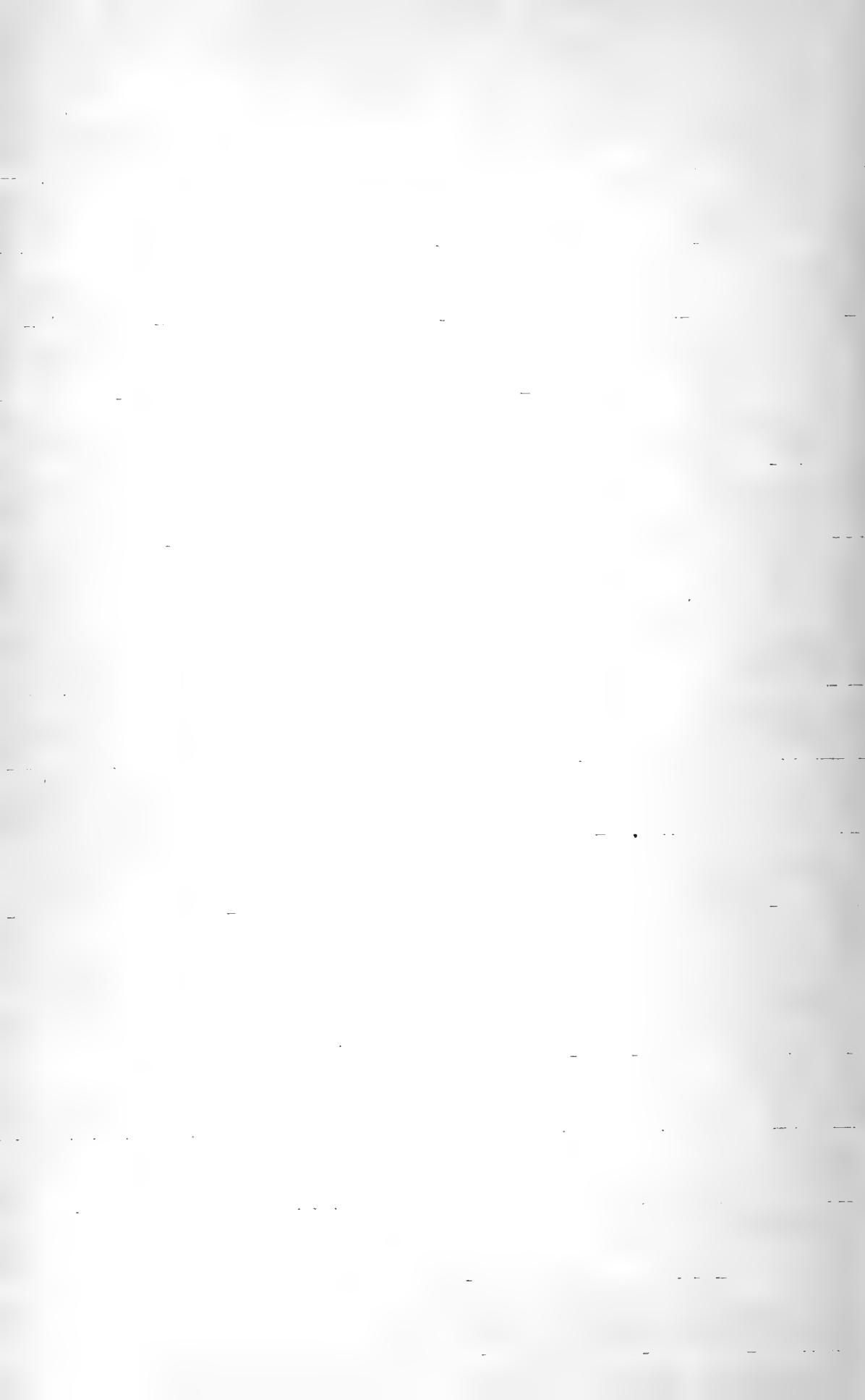
acc. 42418 28 miles south
Marathon, Brewster Co.,

3130

P. arg. — (on the gravelly soil)

acc. 422-23 car 36 m. west
Catalina, Brewster Co.,

Aug. 1, 44 collected



3131 *P. argenteum* (int type number)
(*P. argenteum* ssp.)
acc. 4274 - On a small S. Shrub,
Presidio Co., - Salina Aug. 1, 1913

3132 *P. argenteum* undif'd
acc. 42248 - Faxon Canyon,
northeastern Presidio Co.,

3133 *P. tomentosum* (L.) Gray
16-18 kilo elev. about Toméville, near Monterrey,
Coahuila, Mex.

3134 *P. tomentosum*, same place

3135 *P. confertum* Gray, var. *lygatum*
Subsp. *lygatum* in Vascular Flora
of Sonoran Desert, coll. 2000
 $2n = 68$ chrom.

3136 *P. confertum* var. *lygatum*:
same
 $2n = 102 \pm$ chrom.



3137 artificial hybrid - *P. argenteum* (?) 22.5%
 X *P. micrantha* - 2n = 20 chromosomes.
 1214 - 2.6

3138 artificial hybrid - same as 3137 except
 42% selfed - 2n = 17 chromosomes.

3139 *P. argenteum* - 35.0%
 42% selfed - 17 -

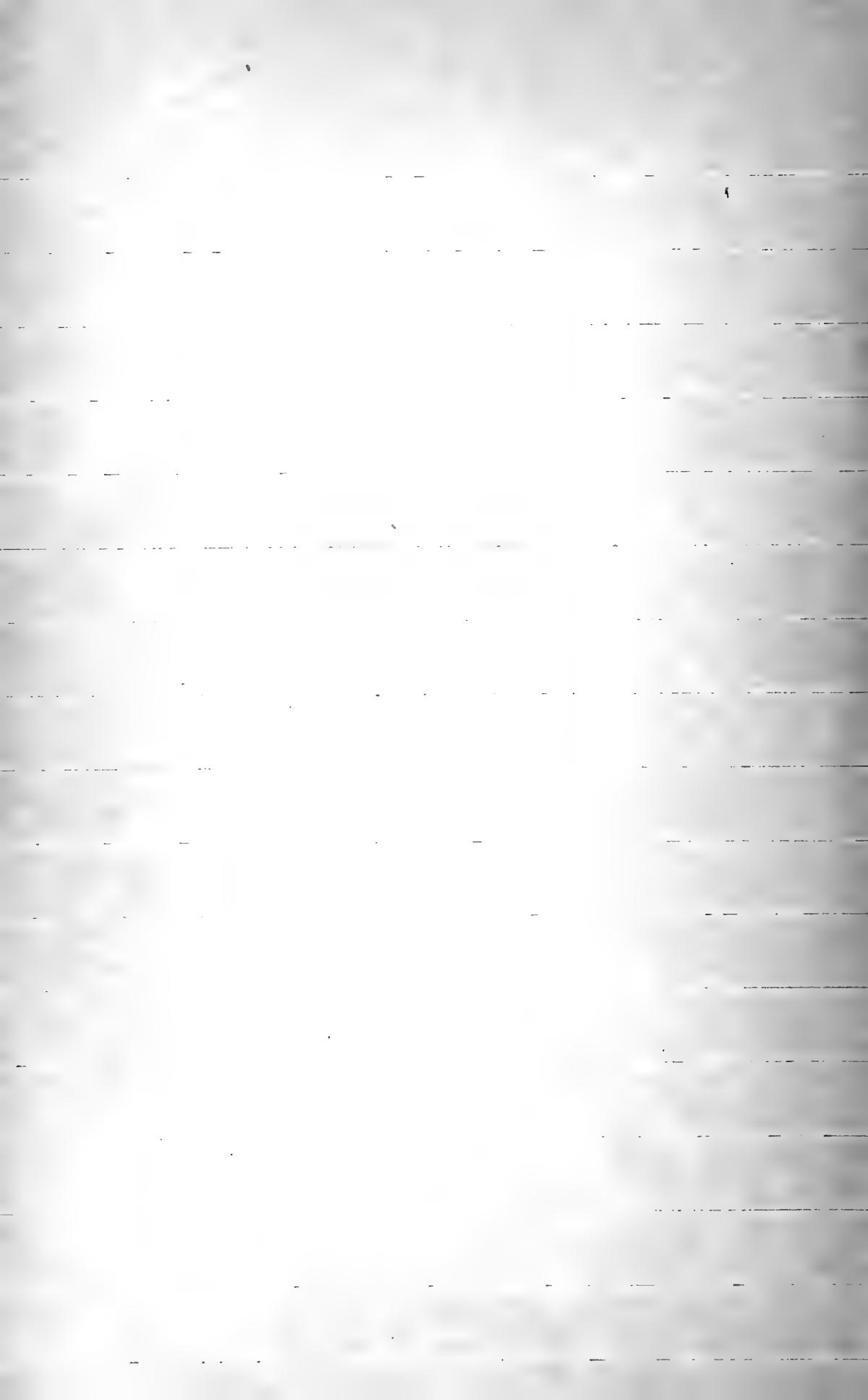
3140 artificial
 1294 - 8% *P. micrantha*

3141 50% natural hybrid - high 2n = 17
 1291

3142 rough - 10% selfed - 2n = 17
 1292

3143 100% selfed - 35.0%
 1293

414 - 100% selfed - 7 -
 1294



4145

new leaf

1250

4146

new leaf

1227-9

4147

new leaf

1259

4148

new leaf

1259

4149

new leaf

1259

4150

new leaf

1239

4151

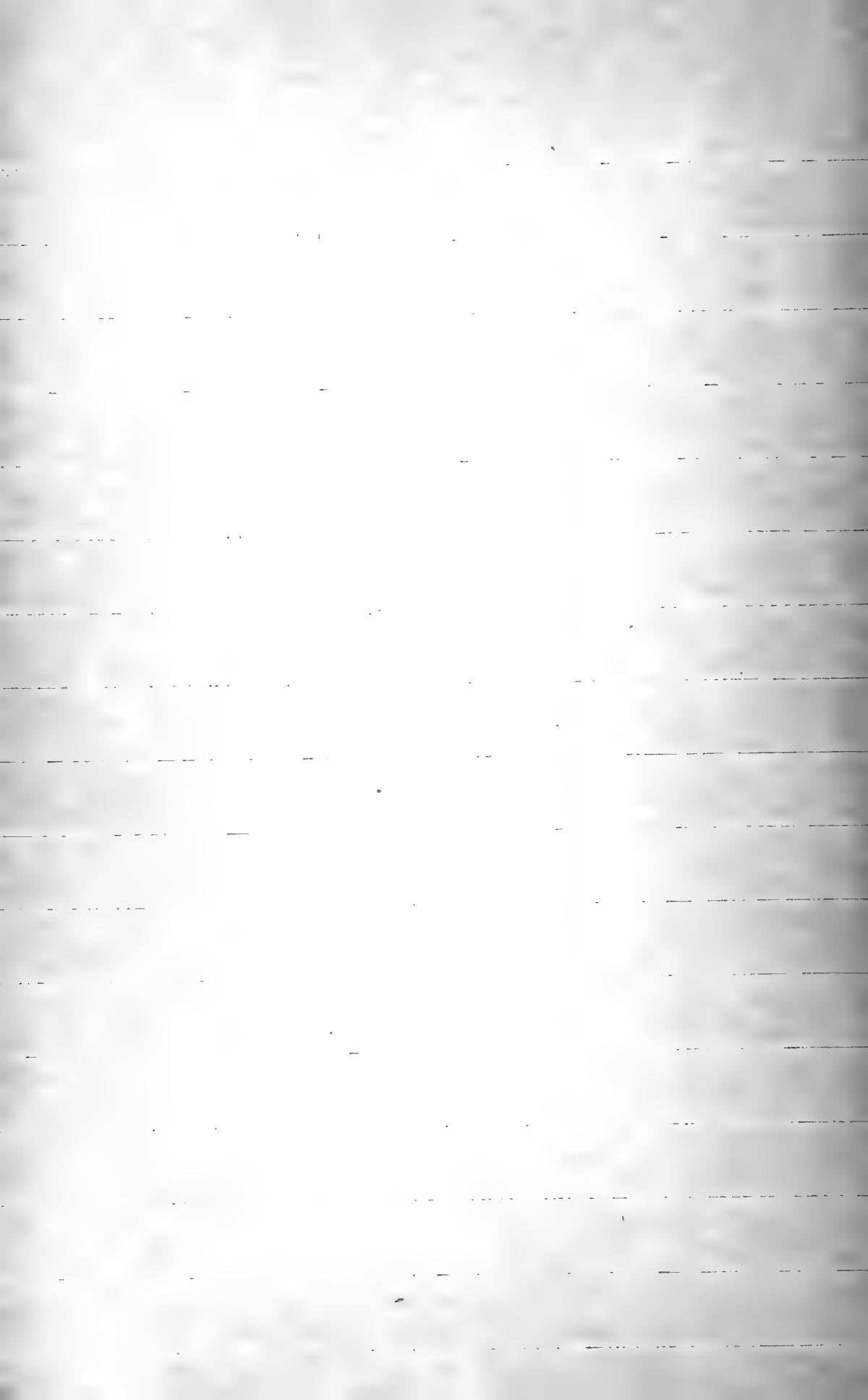
new leaf

1239

4152

new leaf

1239



4153 *Malacosoma* — *Canadense* 16

4154 —

4154 *Malacosoma disstria* — *albescens* 17

4155 *Malacosoma* —

4156 *Malacosoma* —

4157 *Malacosoma* —

4158 *Platynota* —

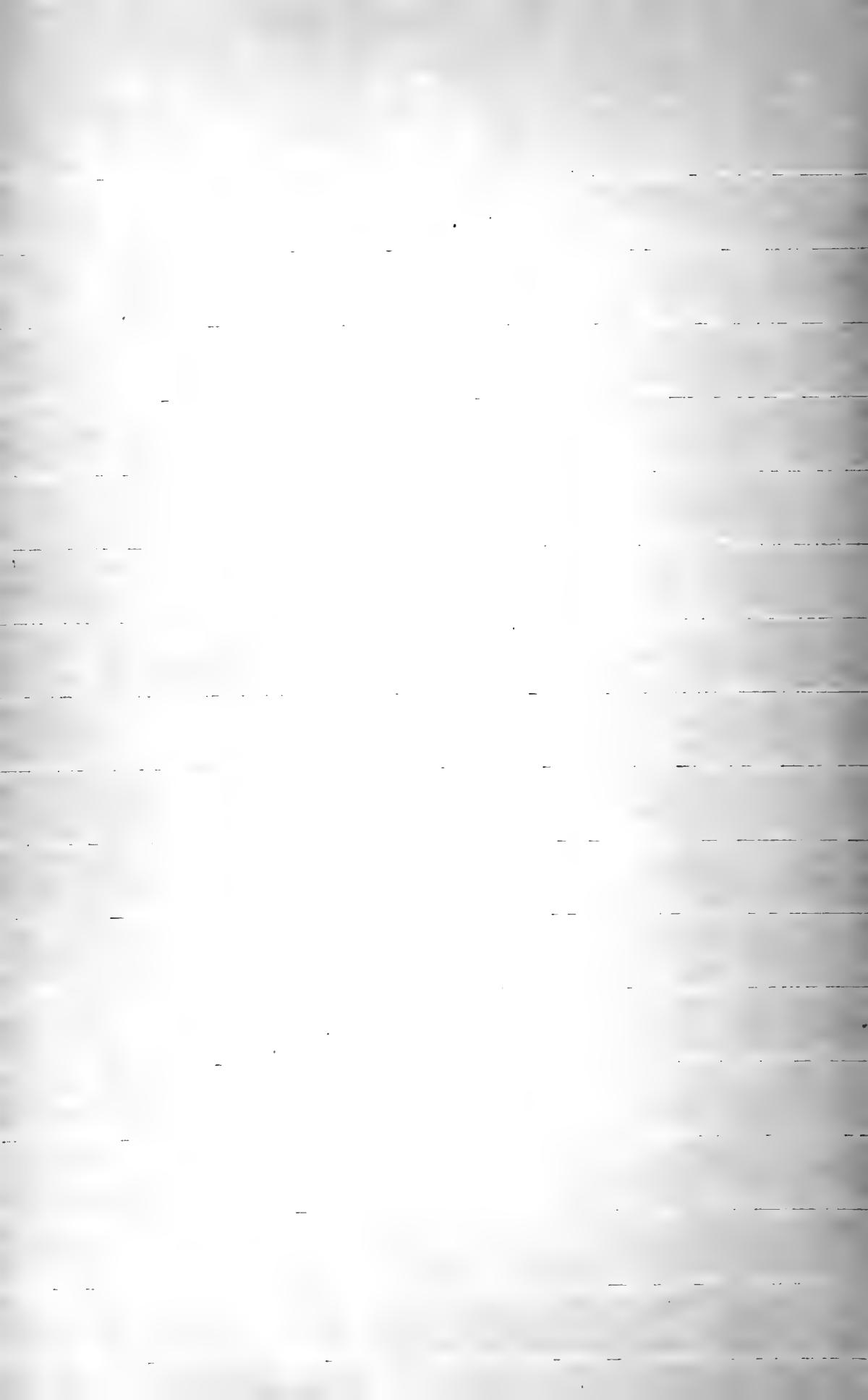
van 416

4159 *Malacosoma* —

from 416

4160 *Malacosoma* — *Canadense* 18

from 416

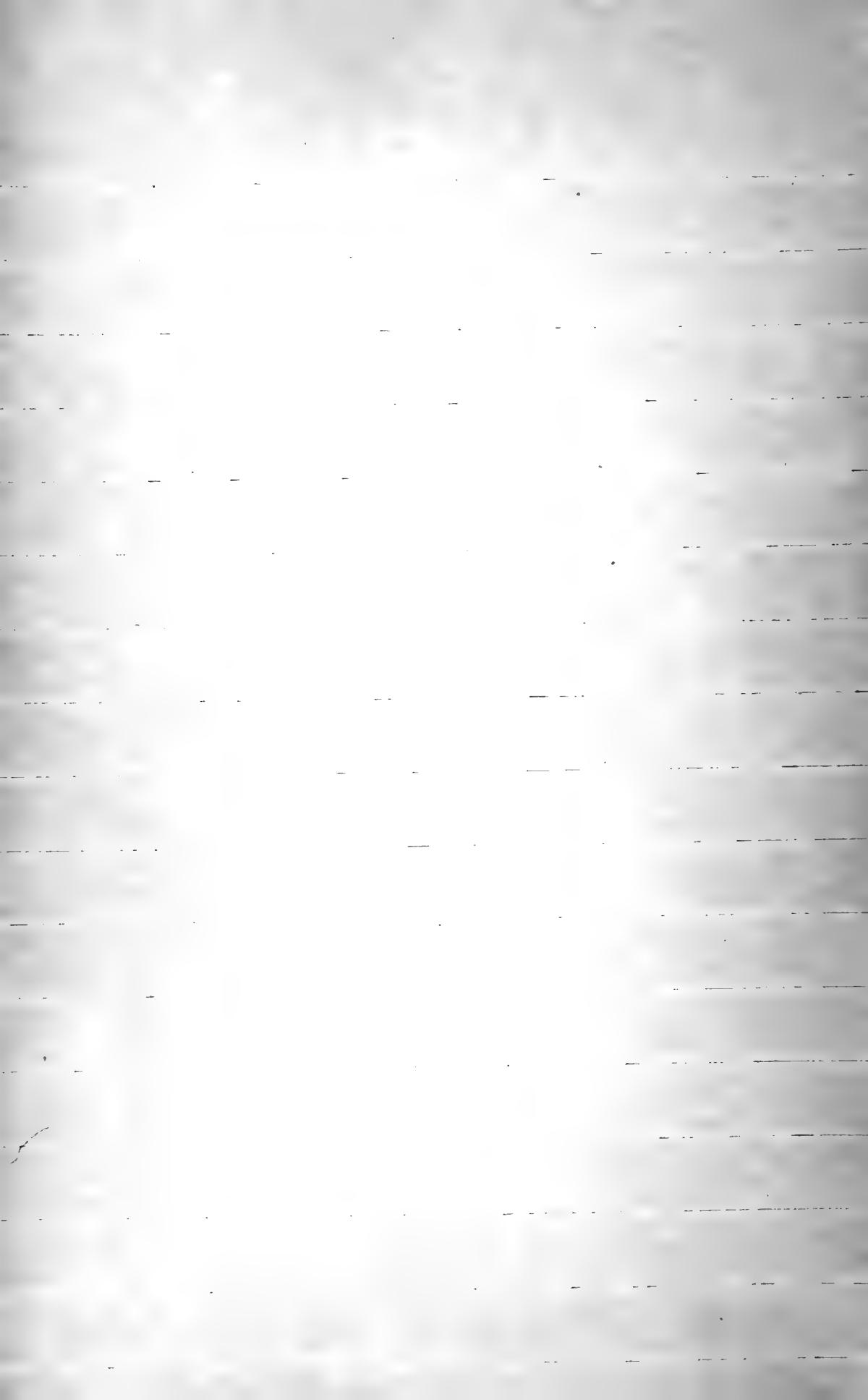


4159 *Streptanthus inflatus* (Wats.)
californicus (Wats.)
ca. 30 miles north of Coalinga,
Foothills. (P. T.)
 $(N = 10 \text{ (?)})$ det. Mary River
March 15, 1947 1947

4160 *Streptanthus inflatus* (Wats.)
californicus (Wats.)
11 miles east of Mohave, Kern
Co., Calif. $(N = 10)$ det. Mary River - 1947
March 15, 1947

4161 *Oreasteria* (Pursh) Gray
gravelly outwash, 2 miles north of
Needles, Calif. ^{N. H. T.} *Orobanchaceae*
March 16th. 1947

4162 *Heuchera* (L.) Greene
Host of Orobanche above.
shrub ca. 2 ft. high.
as. no 4161



4163

Camassia

Sand Dunes near Colorado River, 1 mile
north of Topock, Arizona

March 16, '47

4164

Sisyrinchium

$n = 10$
as 4163

4165

Arabis perennans Nutt.

Caliche formation at edge of Juniper
belt, ca. 5 miles east of Goldroad,
Arizona - March 16, '47

4166

Streptanthus cordatus Nutt.

Foliage bluish, petal-tips purple, among
junipers, $\frac{1}{2}$ mile northwest of Peach
Springs, Arizona
March 16, '47

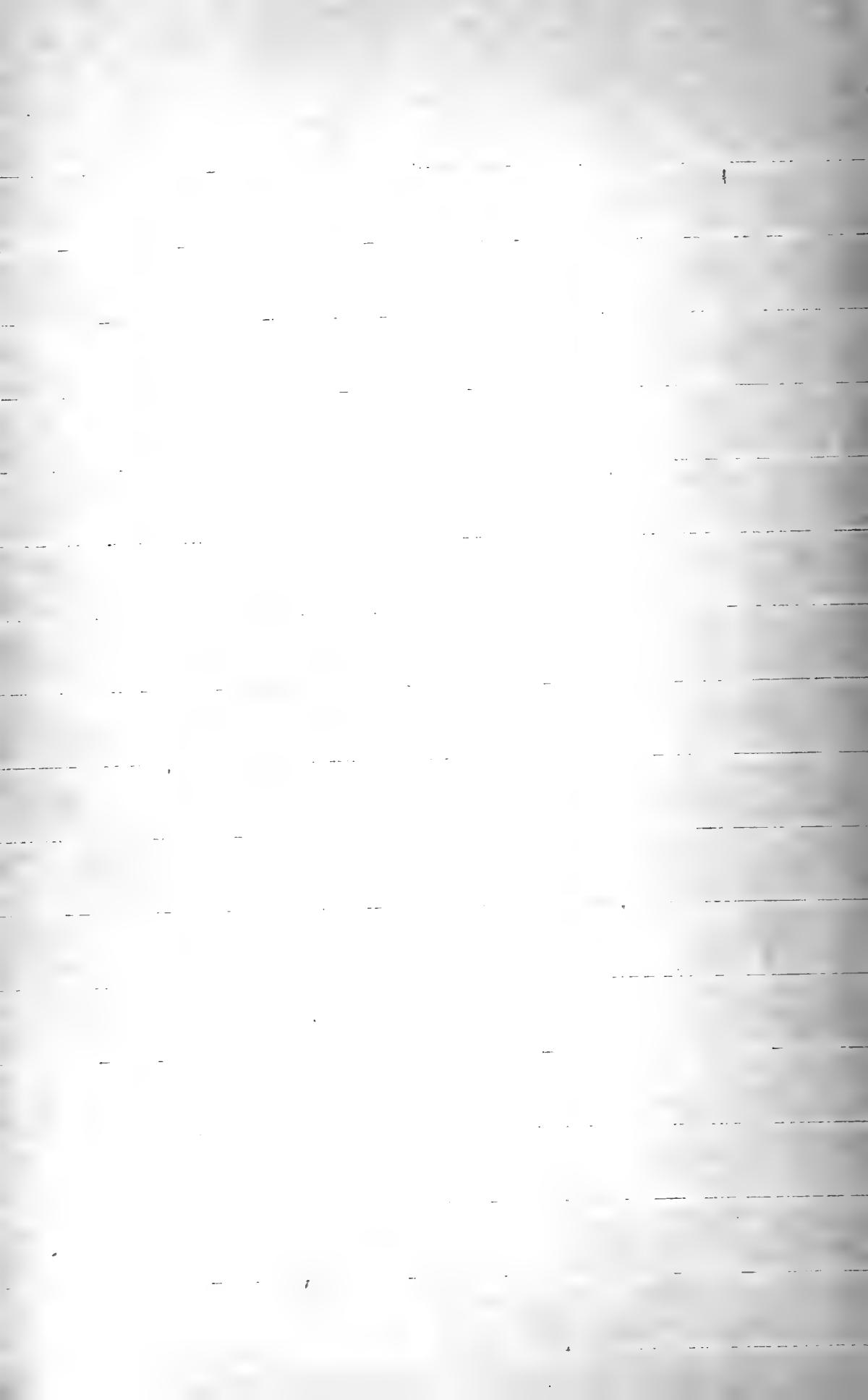
4167

Lesquerella

as no. 4166

($n = 5$ - det. Mary River 1947)





4168

Dittrichia var. ?

Sandy soil, roadside - 2 miles northeast
of Sacaton, Pima Co., Arizona
March 18, 1947

4169

Cardamine

massy hillside,
Pacheco Pass, 28 miles east of
Gilroy, Santa Clara Co., Calif.

March 21, 1947

4170

Ranunculus

Wet soil, stream

Key

gr. 6 mm. long, 6 mm. wide

Leaves alternate, palmately compound

Co., Calif., 1947

4171

Streptanthus *Tortuosus* Kell.

var. *orbicularis* (Greene) Hall

Sepals purplish; petals broad, ^{slightly}
curved, with light tan margins.

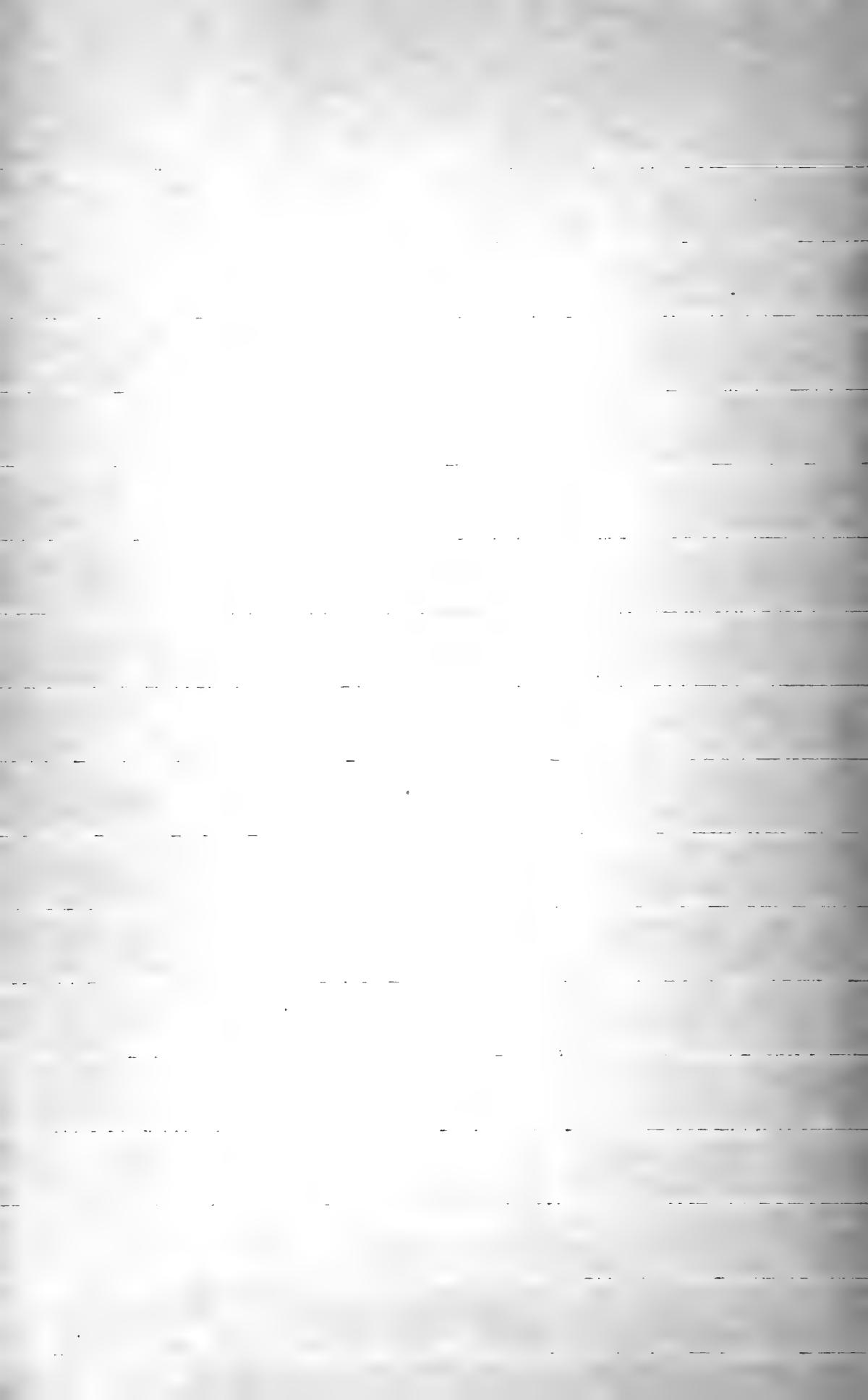
March 21, 1947, 1000 ft., 1000 ft.

Wet soil, stream, 1000 ft., 1000 ft.

Gravelly soil, stream, 1000 ft., 1000 ft.

July 1947

5
N. =
det. Mary
River - 1947



4173

1000 ft. alt. 1000 ft. alt. 1000 ft.

4173

1000 ft. alt. 1000 ft. alt. 1000 ft.

1000 ft. alt. 1000 ft. alt. 1000 ft.

1000 ft. alt. 1000 ft. alt. 1000 ft.

Hannibal Natural

Alt. 1000 ft., Mo.

alt. 10,000 ft. July 2, 1988

4174

1000 ft. alt. 1000 ft. alt. 1000 ft.

1000 ft. alt. 1000 ft. alt. 1000 ft.

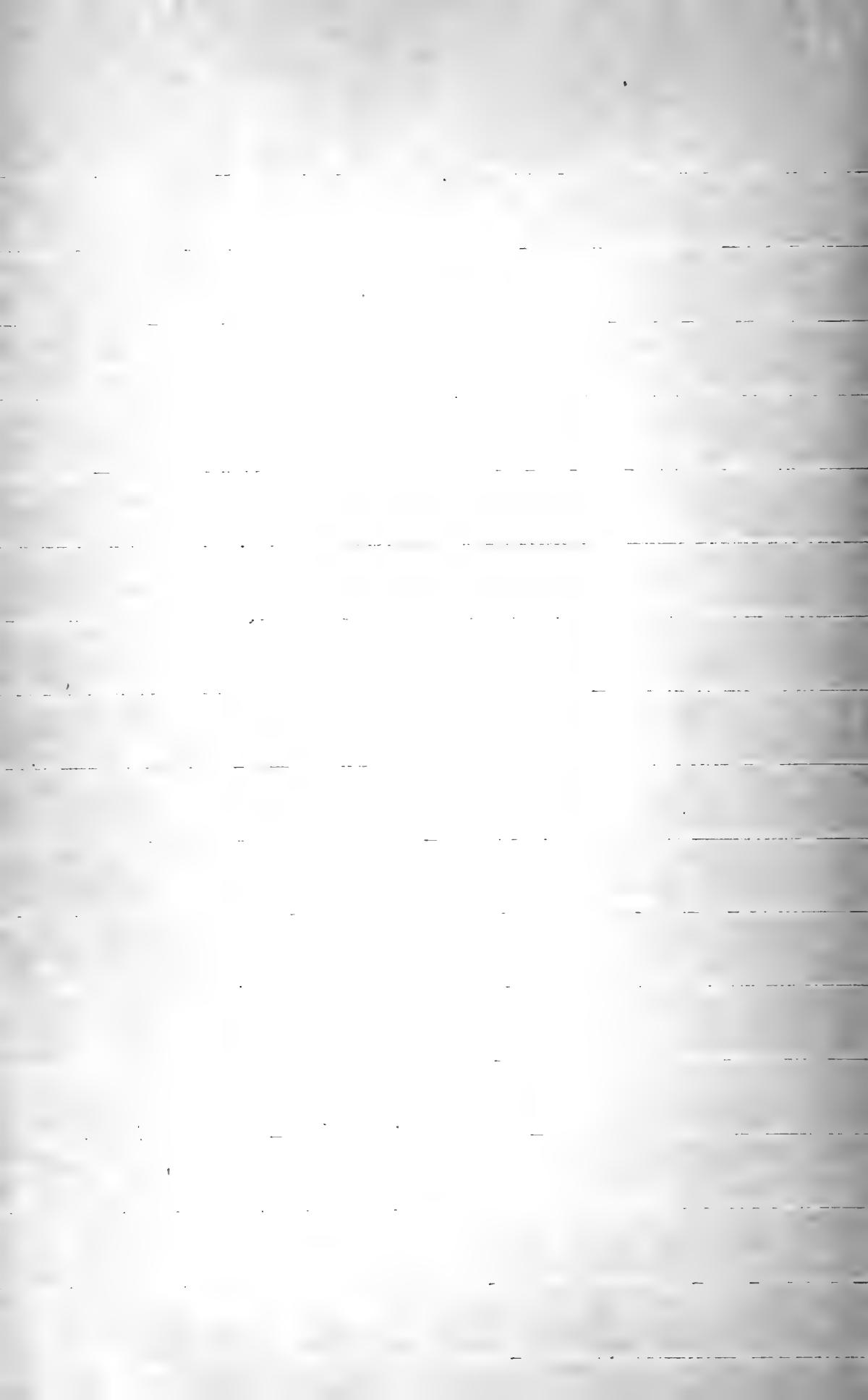
alt. 10,200 ft. July 19, 1988

4175

1000 ft. alt. 1000 ft. alt. 1000 ft.

1000 ft. alt. 1000 ft. alt. 1000 ft.

1000 ft. alt. 1000 ft. alt. 1000 ft.



4176 *Aralia* *holboellii* (Hemsl.)
var. *pendulocarpa*

as 4175

4177 *Aralia Holboellii* Hemsl., var. *pendulocarpa*

July 20. 1917.

4178 *Aralia* *mannii* S. Wats.

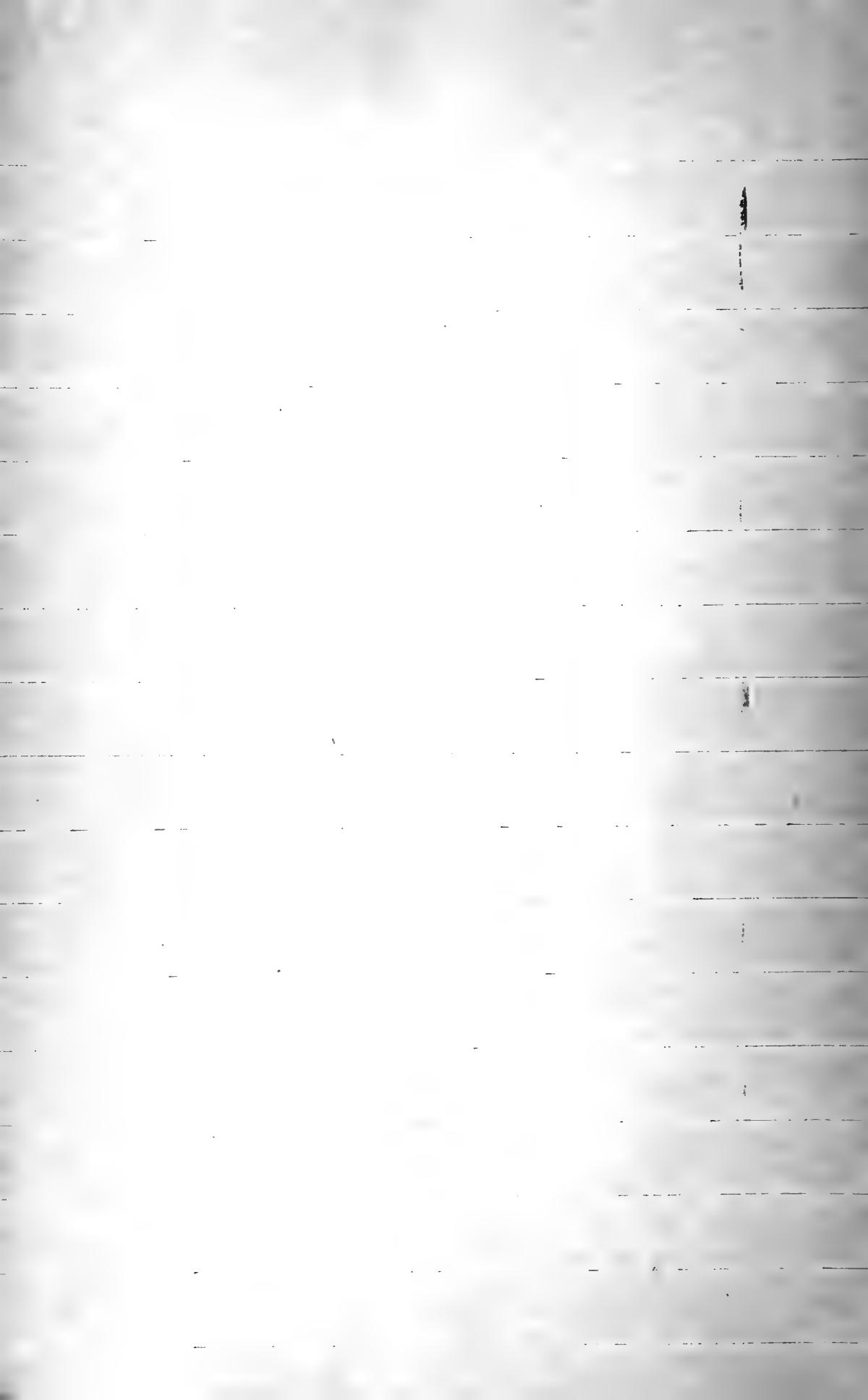
4179 *Aralia* *mannii* S. Wats.
var. *pendulocarpa* (Hemsl.)
Hemsl. *Aralia* *mannii* *pendulocarpa*
Hemsl. *Aralia* *mannii* *pendulocarpa* (Hemsl.)

July 20. 1917. 2 miles N. Lake.

4180 *Aralia*

Aug. 1917.

as 4181



4181 *Acacia polystachya*

4182 *divaricarpa* A. Nels., var. *interposita*,
X *A. platypterna* X *A. drummondii* (?)

Deciduous woodland

Opposite leaves, 10 cm. long,
5 cm. wide, elliptic,

Spines 1 cm. long, 2 cm. apart,
Hairs on leaves, flowers, etc.,
Hall National Park, Mono Co., Calif.,
Alt. 10,200 ft. July 10, '47

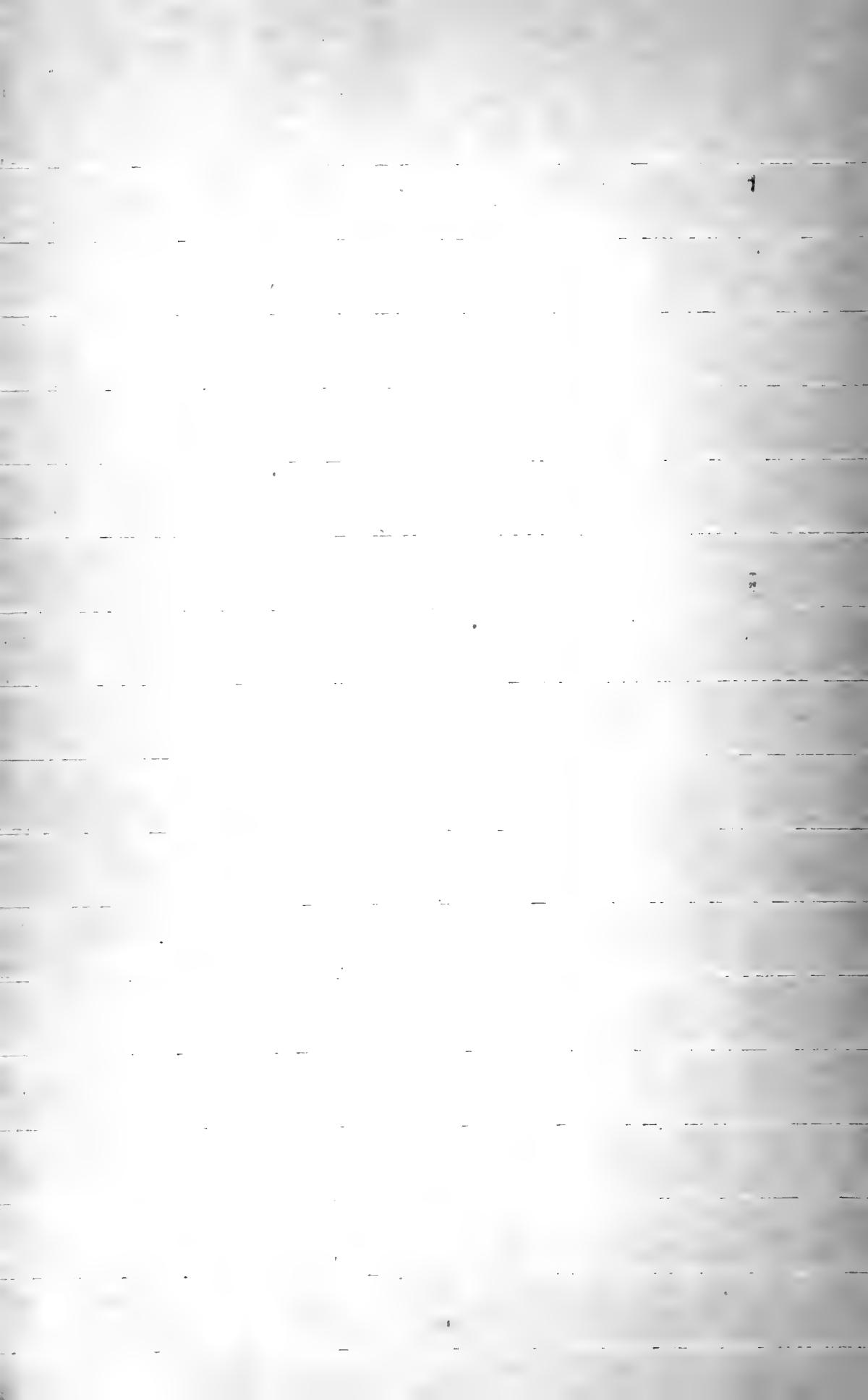
4183 *Acacia polystachya* (?)
var. *interposita*

Peak 10,200 ft. Middle Ridge,
above Mono Crater, Mono Co., Calif.

Opposite leaves, 10 cm. long,

4184 *Acacia stenoloba* Bedeb.

var. *manea* (Schulz) C. B. Hitchc.



4186 *Amelanchier alnifolia* Wats., var. *nudigenia*
Leaves - 10 in. long, deeply lobed,
white beneath. Middle leaf of branch
with 3 lobes. Trichomes absent.
Flowers - H. M. H. Nat. site.

July 10 '06

4187 *Amelanchier alnifolia* (Lam.) Greene
Leaves - 10 in. long, deeply lobed,
white beneath. Middle leaf of branch
with 3 lobes. Trichomes absent.

Ⓐ - *A. lemnoides*

Ⓑ - *A. alnifolia* x *A. lemnoides*

Leaves - 10 in. long, deeply lobed,
white beneath. Middle leaf of branch
with 3 lobes. Trichomes absent.

4188 *Xanthium lemnoides*

Seeds - 10



4190 *Maesa* sp., var. *subrigida* (Mach. & Farb.)
Rollins
Rocky slopes, P. 1000 m. up.
Tree ferns and epiphytes
Common elsewhere.
Alt. 10,000 ft. Today 10th

4191 *Maesa* sp. *Holboellii* Hornem. var. *pendulocarpa*.
Dry, open, rocky, south.
Open
Common

4192 *Maesa* sp. *Holboellii* Hornem., var. *pendulocarpa*
Dry, open, south.

4193 *Maesa* sp. *myoensis* Rollins
Common
Rock crevices, upper hillside.
Forest, 1000 m., H. H. Rollins

4197

near the camp

hillsides, 1000-1500 ft. elev.

Wild life. May 11, 1884

4195 Found the following

hillsides, 1000-1500 ft. elev.

4196

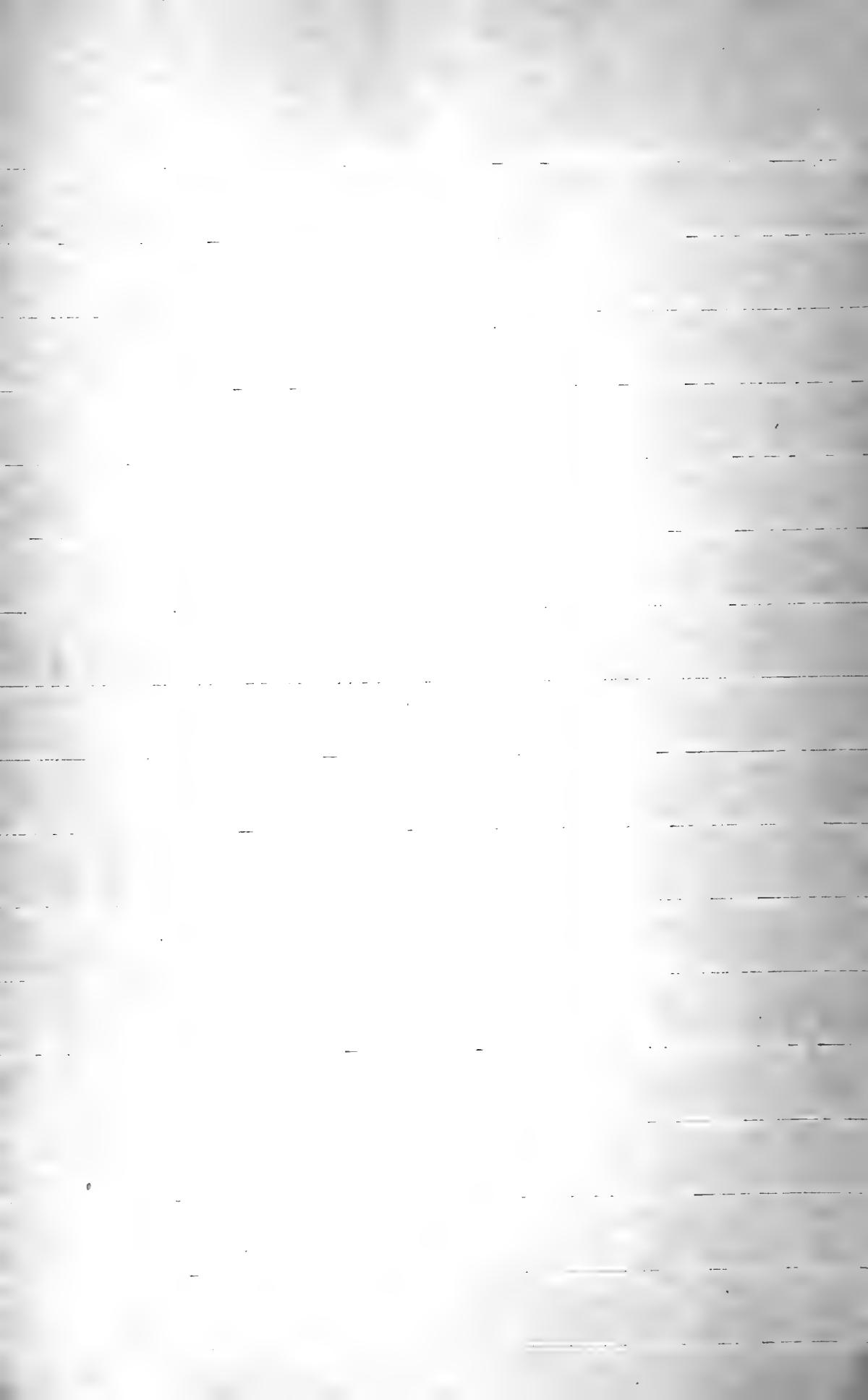
- *Dentaria integrifolia* Nutt.

var. *californica* (Nutt.) Twp.

Moist bank & hillside - Redwood ass.

ca. 2 miles east of La Honda, S. M. Co.

May 7, 1884



4197 *Besquerella Fendleri* (Gray) Wats.
open limestone knoll, about 20 miles south
of Del Rio, Kinney Co., Texas -
Feb. 3, 1943

4198 *Crucifer* - weed
as 4197 - roadside.

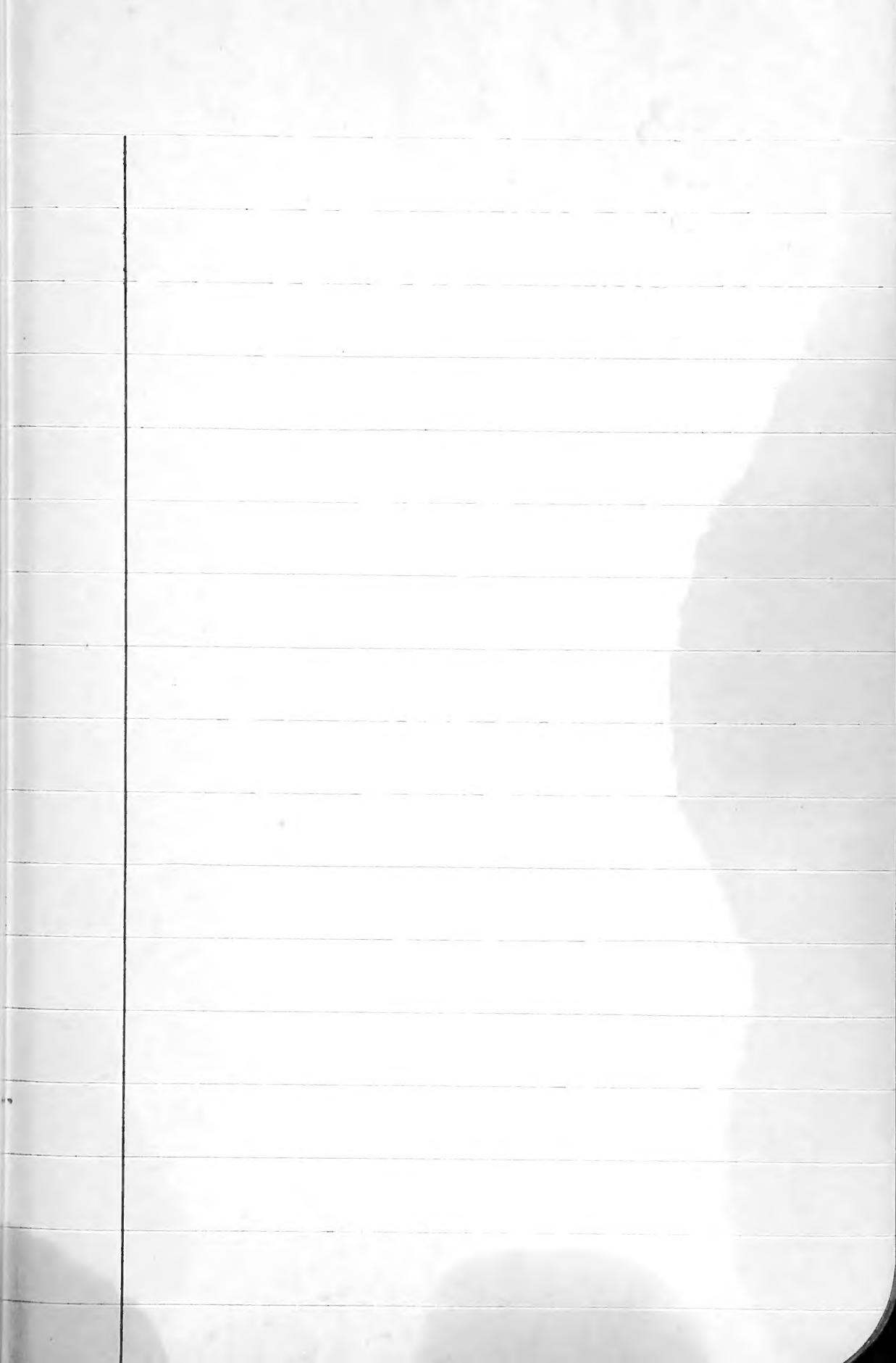
4199 *Nerisyrenia campanum* (Gray) Greene
Fls. whitish, south of Barroso, Zapata
Co. - Texas - Feb. 7, 1943

4200 *Besquerella Fendleri* (Gray) Wats.
perennial, widely branching, open limestone
slope, ca. 16 miles north of Eagle Pass,
Maverick Co., Texas. - Feb. 3, 1943

Red Mountain - Mendocino Co.

Arabis modesta

Scott River { Siskiyou Co.
Klamath River



Fiske Safe-Flight

Speedometer Chg.
Palo alto - May 10, 42
63204

Palo alto May 23rd -
Personal

May 10 - Gas 0.88

Dinner 0.77

Cabin - 1.00

Post Card-Candy - 10

May 11th Breakfast - 40

Lunch - 67

Cabin 1.25

May 12th

Breakfast 0.87

Lunch 0.10

May 13th

Lunch 0.21

Bread - .10

Dinner - .31

Cabin - 1.00

May 14th

Breakfast .47

Lunch .46

String .05

Dinner .75

Cabin 1.25

May 15th

Breakfast 0.40

Candy 0.05

Dinner 0.75

Cabin 1.00

May 16th

Breakfast .0.25

Lunch 0.50

Dinner 0.80

Cabin 1.00

Willett
Spare 16794482

72500 V 20

0105459 IZ

96420 IZ

96687 IZ

Car

Rep. Bendix - 0.75

Breare - 1.25

Gas. May 17 - 1.38

Bridge toll - .25

" " - .25

" " .50

" " - .35

Ferry - .80

Oil May 20 - 0.60

" May 23 - 0.60

Rep. timer - 2.00

May 11th Food - 1.09

May 12 " 0.35

May 13 0.30

May 14 Breakfast 0.30

Lunch 0.65

Dinner 0.90

May 15 Breakfast 0.25

Lunch 0.50

Dinner 0.70

May 16 Breakfast 0.25

Dinner 0.55

Cabin 0.75

May 17 Breakfast 0.30

Lunch 0.62

Dinner 0.77

May 18 Breakfast 0.40

Dinner 0.75

Cabin 1.40

May 19 Breakfast 0.30

Lunch 0.62

Dinner 0.77

May 20 Breakfast 0.30

Lunch 0.51

Dinner 0.82

Cabin 1.50

— 10 —

